

All aboard or all bored
Young people and conflict on public transport
Lincoln, RA; Gregory, Adrienne

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Lincoln, RA., & Gregory, A. (2014). *All aboard or all bored: Young people and conflict on public transport*. Paper presented at The Association of American Geographers 2014 Annual Meetings, Tampa, Florida, United States.

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THE ASSOCIATION OF AMERICAN GEOGRAPHERS



2014 Annual Meeting
April 8-12, 2014
Tampa, Florida

PROGRAM

The Association of American Geographers
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Washington, DC 20009-3198
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AAG 2015

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GREETINGS FROM PRESIDENT OBAMA

THE WHITE HOUSE

WASHINGTON

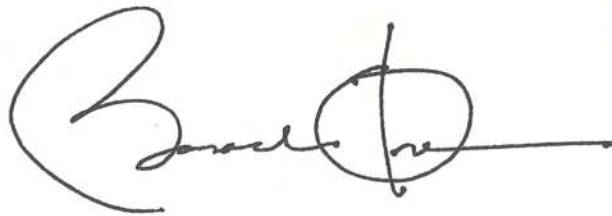
March 13, 2014

I send greetings to all those attending the 2014 Annual Meeting of the Association of American Geographers (AAG).

Throughout our history, America has led the world in answering big questions and solving tough problems. We owe our legacy of progress to generations of scientists who have deepened our understanding of the world we live in—coupling restless curiosity with fidelity to facts.

For more than a century, the AAG has stoked that spirit of scholarly pursuit. By providing a platform for leaders and students, researchers and educators, events like the 2014 Annual Meeting advance the study of geography and cultivate the free exchange of ideas that keeps America on the cutting edge. I applaud the AAG's commitment to nurturing our next generation of innovators and thinkers.

As we continue making headway on today's most pressing challenges, I am confident we will meet them because of people like you: the scientists and educators who are following evidence wherever it leads, passing down vital knowledge, and continually guiding us forward. And as you gather on this special occasion, I wish you all the best for a rewarding, productive meeting.

A handwritten signature in black ink, appearing to be "Barack Obama", with a large, stylized initial "B" and a circular flourish at the end.

Esri
AD

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iOS, Android and Blackberry



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 Kaile Bower, US Census Bureau
 Timothy Trainor, US Census Bureau

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 Nekya Young, Texas Southern University
 Marcela Zeballos, Association of American Geographers

GENERAL INFORMATION

ACCESSIBILITY

In support of the Americans with Disabilities Act, the AAG and its contracted facilities will accommodate reasonable requests for accessibility to the extent possible. Individuals requiring special accommodations are asked to make their specific needs known to the AAG or to the facilities.

ALCOHOL

The AAG expects all attendees to act responsibly when consuming alcoholic beverages. Consumption of alcohol by those under the age of 21 is prohibited.

BAGS/COATS/PACKAGES

For security reasons, the AAG is unable to hold attendees' bags, packages, briefcases, coats, laptops or other personal items at registration. For your own safety and the security of your belongings, we strongly recommend checking these items at a hotel bell stand.

CHILD CARE

The AAG will provide limited reimbursement to registered attendees to subsidize part of the necessary child care expenses incurred during the meeting at a licensed child care agency up to a maximum of \$400. Subsidy forms should be submitted to the AAG after the conference along with original receipts that clearly show the hourly or daily rate and the number of hours for each day and a check will be mailed to you. Total reimbursement is limited to \$400 per family.

Reimbursement is only available for childcare on-site in Tampa. No reimbursement is made for childcare at your home while you are in Tampa or for childcare provided by anyone other than a licensed childcare agency. All childcare arrangements should be made by the individual attendee. Licensed childcare agencies in the Tampa Bay Area include: Mes Enfants Learning Family Childcare (813) 466-5437, Webb Road Kindercare (813) 440-3468, Bright Horizons (813) 991-0030, Tampa Bay Nannies (813) 264-5006, Sunshine Babysitting (727) 218-6666, among others. AAG does not endorse, recommend, or promote any one agency. Responsibility for selection and investigation of an agency's credentials is the sole responsibility of the child's parent or guardian.

CONFERENCE VOLUNTEERS

Please report to the Conference Volunteer Desk next to the AAG Registration Desk located in the Second Floor West Lobby of the Tampa Convention Center no later than 20 minutes prior to your first scheduled shift. Upon check in you will receive all pertinent information and instructions regarding your duties.

EXHIBITS

A vital part of the AAG Annual Meeting is the Exhibit Hall, where AAG members and attendees can see the latest tools in teaching, field research, graphic applications, computer modeling, and data collection and analysis. Learn about the most recent technical advances in the field, including cartography, GIS, and GPS. You'll also be able to view geography-related textbooks and publications while meeting with publishers.

The AAG Annual Meeting Exhibit Hall is located in the West Hall on the Third Floor of the Tampa Convention Center. See page 68-70 for an AAG Exhibit Hall floor plan and list of exhibitors.

EXHIBIT HALL HOURS

Wednesday, April 9

9:30 a.m. - 5:30 p.m. Exhibit Hall Open
3:00 p.m. - 5:00 p.m. *Happy Hour in the Hall*

Thursday, April 10

9:30 a.m. - 5:30 p.m. Exhibit Hall Open
3:00 p.m. - 5:00 p.m. *Happy Hour in the Hall*

Friday, April 11

9:30 a.m. - 1:30 p.m. Exhibit Hall Open

EXHIBIT HALL TWITTER SCAVENGER HUNT

Back for 2014, the AAG will offer a Twitter Scavenger Hunt in the Exhibit Hall. Participate in the scavenger hunt for an opportunity to win a complimentary 2015 Annual Meeting conference registration. One winner will be selected for each day the Exhibit Hall is open (Wednesday – Friday). Follow the AAG on twitter for more information: @theAAG.

FIELD TRIPS and Workshops

All field trips and workshops require advance registration. Please visit the AAG Registration Desk, location in the Second Floor West Lobby of the Tampa Convention Center to register.

Field trips will depart from the circle outside of the Tampa Convention Center on the bottom floor. We recommend arriving 15 minutes prior to your field trip start time to ensure a timely departure.

GENERAL INFORMATION

INTERNET ACCESS

The AAG will provide wireless internet access in the AAG Exhibit Hall and AAG Registration areas at the Tampa Convention Center and in the common areas at the Marriott.

MEETING VENUES

Sessions, workshops and special events will take place at three Tampa Properties: The Tampa Convention Center (TCC), The Tampa Marriott Waterside Hotel and Marina, and The Westin Harbour Island Hotel.

Tampa Convention Center (TCC)

333 S Franklin Street
Tampa, FL 33602
(813) 274-8511

Tampa Marriott Waterside Hotel and Marina

700 S Florida Avenue
Tampa, FL 33602
(813) 221-4900

The Westin Harbour Island Hotel

725 Harbor Island Boulevard
Tampa, FL 33602
(813) 229-5000

To access the Marriott from the Westin Hotel:

Depart the Westin on the First Floor, S. Franklin Street. Take a right on Franklin Street. Cross Franklin Street at Old Water St. Continue down S. Old Water Street. The Marriott will be on your right.

To access the Tampa Convention Center from the Westin Hotel:

Depart the Westin on the First Floor, S. Franklin Street. Take a right on Franklin Street. Take Franklin Street over the bridge until it becomes S. Harbour Island Blvd. Continue down S. Harbour Island Blvd. The Westin will be on your right.

MOBILITY ASSISTANCE

Visit the Conference Volunteer desk in the Second Floor West Lobby of the Tampa Convention Center to arrange mobility assistance. You may also request assistance from any Conference Volunteer stationed in the lobby of the hotels.

NON-SMOKING POLICY

The AAG maintains a non-smoking policy in all meeting rooms, the exhibit area, and the registration area. Smoking is allowed only in designated smoking areas of the facilities.

PHOTOGRAPHY IN SESSIONS

Photos may not be taken during paper or poster presentations without the permission of the presenter. Anyone taking a photo without permission will be asked to leave the conference.

PRESENTATION CONTENT

The Annual Meeting of the Association of American Geographers is an open forum for sharing the results of research and teaching in geography and related specialties. The contents of annual meeting presentations by individuals or groups at the annual meeting are theirs alone. The Association of American Geographers neither endorses nor disclaims the conclusions, interpretations, or opinions expressed by speakers at its annual meeting.

PROFESSIONAL CONDUCT

Professional ideas and information are exchanged most effectively at the AAG Annual Meeting in an atmosphere free of abuse or harassment and characterized by courtesy and respect. To that end, the AAG expects all individuals who attend to conduct themselves in a manner that establishes an atmosphere free from discriminatory practices.

REGISTRATION

The AAG Registration Desk will be located in the Second Floor West Lobby of the Tampa Convention Center (TCC). Registration will be open during the following hours:

Monday, April 7	4:00 p.m. - 7:00 p.m.
Tuesday, April 8	7:00 a.m. - 7:30 p.m.
Wednesday, April 9	7:00 a.m. - 6:00 p.m.
Thursday, April 10	7:30 a.m. - 5:00 p.m.
Friday, April 11	7:45 a.m. - 5:00 p.m.
Saturday, April 12	7:45 a.m. - 12:30 p.m.

SESSION CHAIRS

See instructions on page 78.

TAMPA CONVENTION CENTER (TCC)

Location of Meeting Rooms

See pages 80-81 for the Key to Room Numbers and Session Numbers.

Rooms by Floor:

FIRST FLOOR

Room Name Session Room Code#

Room 1	01
Room 2	02
Room 3	03
Room 4	04
Room 5	05
Room 6	06
Room 7	07
Room 8	08
Room 9	09
Room 10	10
Room 11	11
Room 12	12
Room 13	13
Room 14	14
Room 15	15
Room 16	16
Room 17	17
Room 18	18
Room 19	19
Room 20	20
Room 21	21
Room 22	22
Room 23	23
Room 24	24
Room 25	25
Ballroom A	26
Ballroom B	27
Ballroom C	28
Ballroom D	29

SECOND & THIRD FLOORS

Room Name

Second Floor West Lobby (AAG Registration Desk)
West Hall (AAG Exhibit Hall & Posters)41

FOURTH FLOOR

Room Name Session Room Code#

Room 30A.....	30
Room 30B.....	40
Room 31	31
Room 32	32
Room 33	33
Room 34	34
Room 35	35
Room 36	36
Room 37	37
Room 38	38
Room 39	39

Rooms Alphabetically:

Room Name Session Room Code# Room

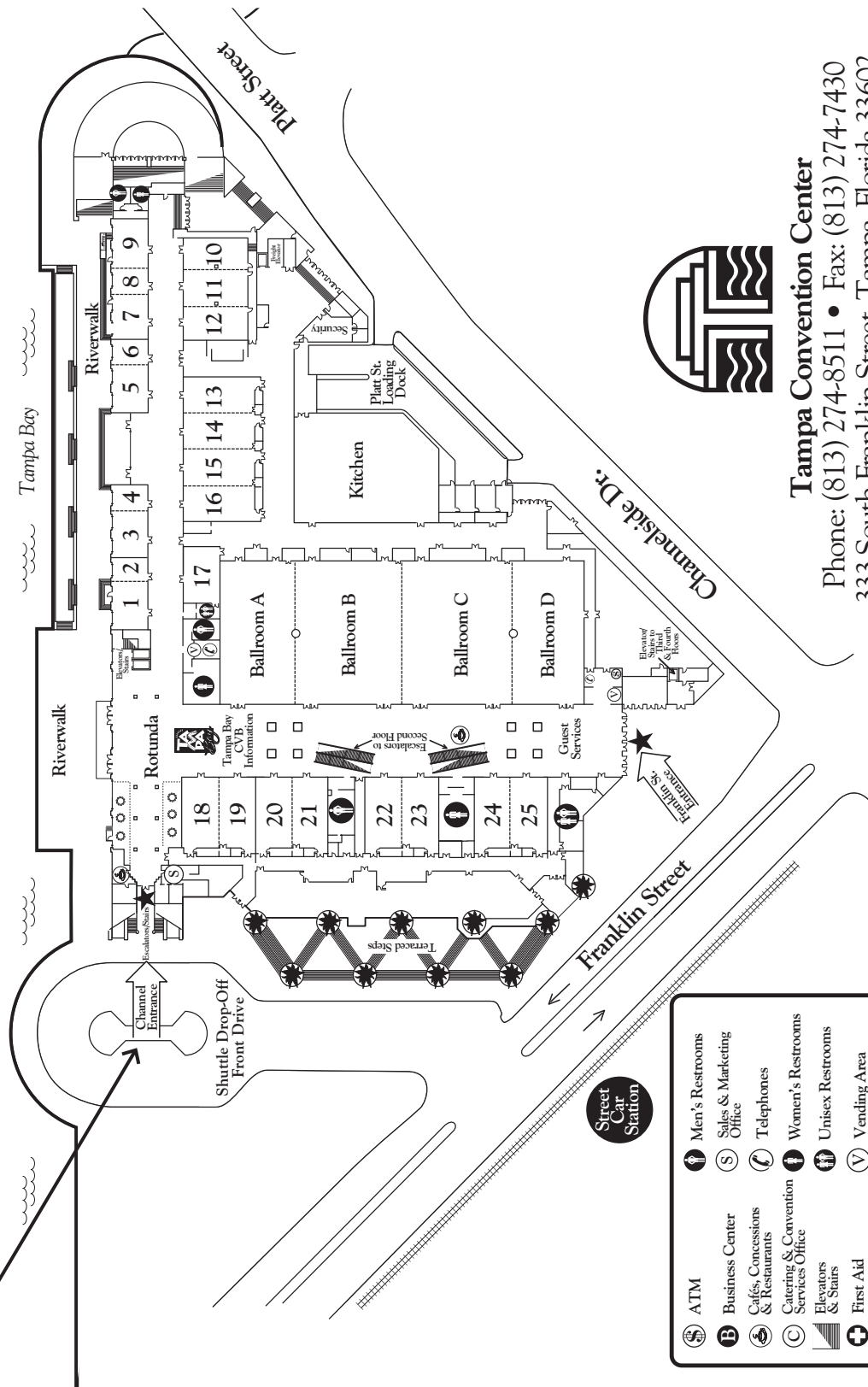
Ballroom A	26.....	First Floor
Ballroom B	27.....	First Floor
Ballroom C	28.....	First Floor
Ballroom D	29.....	First Floor
Room 1	01.....	First Floor
Room 2	02.....	First Floor
Room 3	03.....	First Floor
Room 4	04.....	First Floor
Room 5	05.....	First Floor
Room 6	06.....	First Floor
Room 7	07.....	First Floor
Room 8	08.....	First Floor
Room 9	09.....	First Floor
Room 10	10.....	First Floor
Room 11	11.....	First Floor
Room 12	12.....	First Floor
Room 13	13.....	First Floor
Room 14	14.....	First Floor
Room 15	15.....	First Floor
Room 16	16.....	First Floor
Room 17	17.....	First Floor
Room 18	18.....	First Floor
Room 19	19.....	First Floor
Room 20	20.....	First Floor
Room 21	21.....	First Floor
Room 22	22.....	First Floor
Room 23	23.....	First Floor
Room 24	24.....	First Floor
Room 25	25.....	First Floor
Room 30A.....	30.....	Fourth Floor
Room 30B.....	40.....	Fourth Floor
Room 31	31.....	Fourth Floor
Room 32	32.....	Fourth Floor
Room 33	33.....	Fourth Floor
Room 34	34.....	Fourth Floor
Room 35	35.....	Fourth Floor
Room 36	36.....	Fourth Floor
Room 37	37.....	Fourth Floor
Room 38	38.....	Fourth Floor
Room 39	39.....	Fourth Floor
West Hall	41.....	Third Floor
<i>(AAG Exhibit Hall & Posters)</i>		
Second Floor West Lobby		Second Floor
<i>(AAG Registration Desk)</i>		

TAMPA CONVENTION CENTER (TCC)

First Floor

Tampa Convention Center First Floor Meeting Space

Field Trip Departure Location



Tampa Convention Center

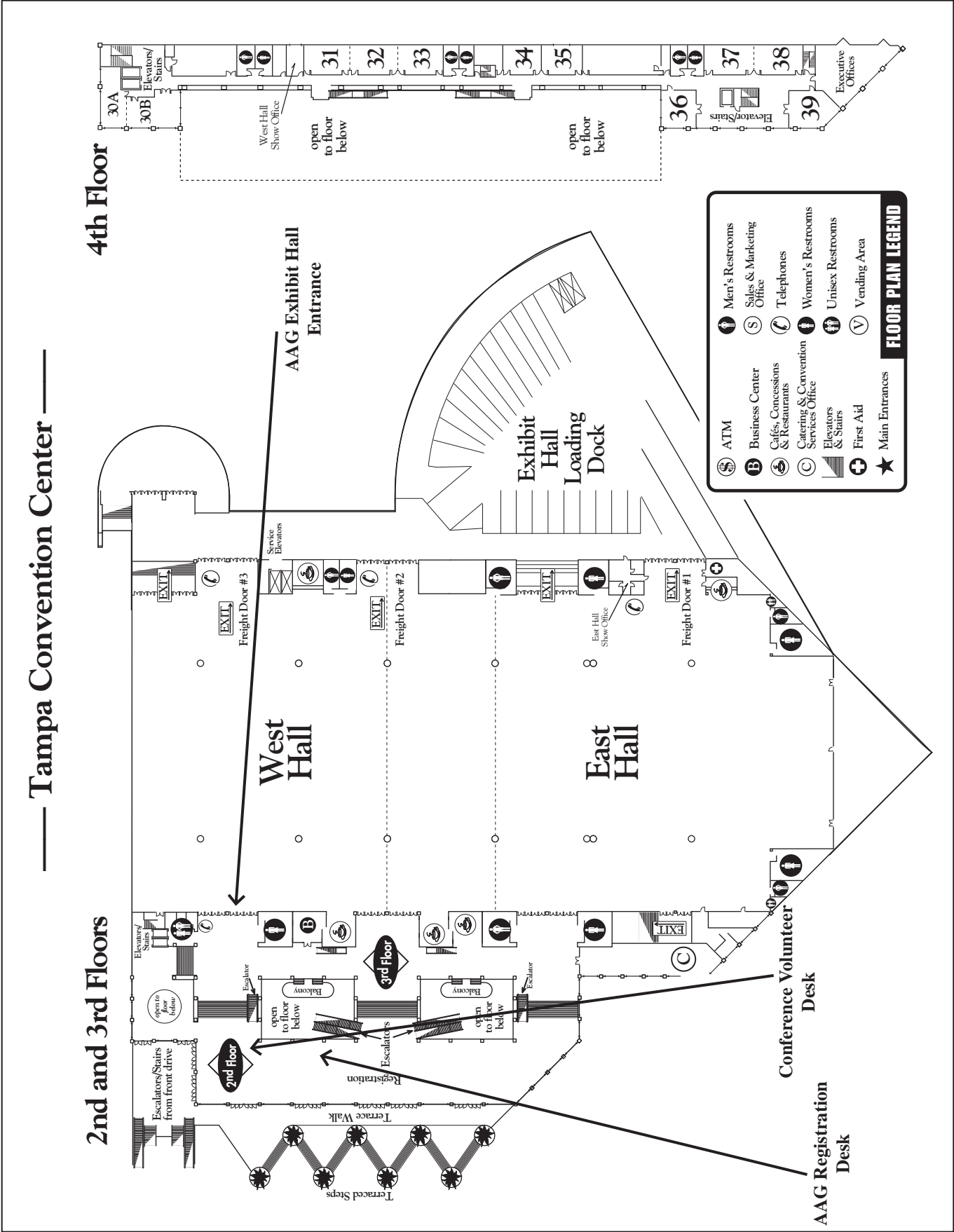
Phone: (813) 274-8511 • Fax: (813) 274-7430

333 South Franklin Street, Tampa, Florida 33602

www.tampagov.net/tcc

FLOOR PLAN LEGEND	
ATM	Men's Restrooms
Business Center	Sales & Marketing Office
Cafés, Concessions & Restaurants	Telephones
Catering & Convention Services Office	Women's Restrooms
Elevators & Stairs	Unisex Restrooms
First Aid	Vending Area
Main Entrances	

TAMPA CONVENTION CENTER (TCC)
Second, Third and Fourth Floors



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TAMPA MARRIOTT WATERSIDE HOTEL

Second Floor and Third Floor

See pages 80-81 for the Key to Room Numbers and Session Numbers.

Rooms by Floor:

SECOND FLOOR

Room Name Session Room Code#

Office 1.....	50
Office 2.....	51
Grand Salon A.....	52
Grand Salon B.....	53
Grand Salon C.....	54
Grand Salon D.....	55
Grand Salon E.....	56
Grand Salon F.....	57
Grand Salon G.....	58
Grand Salon H.....	59
Grand Salon I.....	60
Grand Salon J.....	61
Florida Salon I.....	62
Florida Salon II.....	63
Florida Salon III.....	64
Florida Salon IV.....	65
Florida Salon V.....	66
Florida Salon VI.....	67
Meeting Room 1.....	68
Meeting Room 2.....	69
Meeting Room 3.....	70
Meeting Room 4.....	71
Meeting Room 5.....	72
Meeting Room 6.....	73
Meeting Room 7.....	74

THIRD FLOOR

Room Name Session Room Code#

Bayshore Boardroom.....	75
Greco Boardroom.....	76
Meeting Room 8.....	77
Meeting Room 9.....	78
Meeting Room 10.....	79
Meeting Room 11.....	80
Meeting Room 12.....	81
Meeting Room 13.....	82

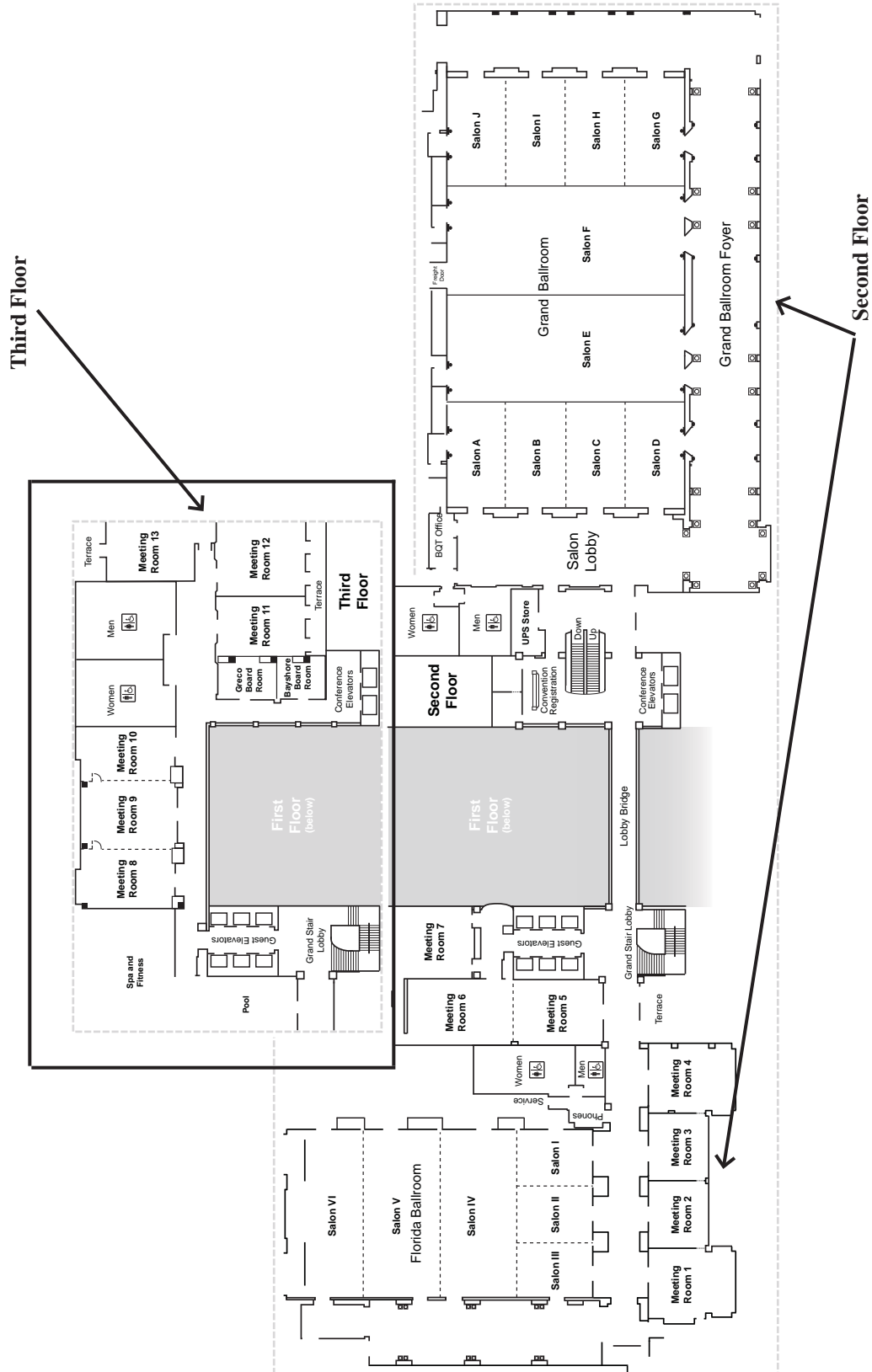
Rooms Alphabetically:

<u>Room Name</u>	<u>Session Room Code#</u>	<u>Room</u>
Bayshore Boardroom.....	75	Third Floor
Florida Salon I.....	62	Second Floor
Florida Salon II.....	63	Second Floor
Florida Salon III.....	64	Second Floor
Florida Salon IV.....	65	Second Floor
Florida Salon V.....	66	Second Floor
Florida Salon VI.....	67	Second Floor
Grand Salon A.....	52	Second Floor
Grand Salon B.....	53	Second Floor
Grand Salon C.....	54	Second Floor
Grand Salon D.....	55	Second Floor
Grand Salon E.....	56	Second Floor
Grand Salon F.....	57	Second Floor
Grand Salon G.....	58	Second Floor
Grand Salon H.....	59	Second Floor
Grand Salon I.....	60	Second Floor
Grand Salon J.....	61	Second Floor
Greco Boardroom.....	76	Third Floor
Meeting Room 1.....	68	Second Floor
Meeting Room 2.....	69	Second Floor
Meeting Room 3.....	70	Second Floor
Meeting Room 4.....	71	Second Floor
Meeting Room 5.....	72	Second Floor
Meeting Room 6.....	73	Second Floor
Meeting Room 7.....	74	Second Floor
Meeting Room 8.....	77	Third Floor
Meeting Room 9.....	78	Third Floor
Meeting Room 10.....	79	Third Floor
Meeting Room 11.....	80	Third Floor
Meeting Room 12.....	81	Third Floor
Meeting Room 13.....	82	Third Floor
Office 1.....	50	Second Floor
Office 2.....	51	Second Floor

TAMPA MARRIOTT WATERSIDE HOTEL

Second Floor and Third Floor

See pages 80-81 for the Key to Room Numbers and Session Numbers.



THE WESTIN HARBOUR ISLAND HOTEL

First Floor and Second Floor

See pages 80-81 for the Key to Room Numbers and Session Numbers.

Rooms by Floor:

FIRST FLOOR

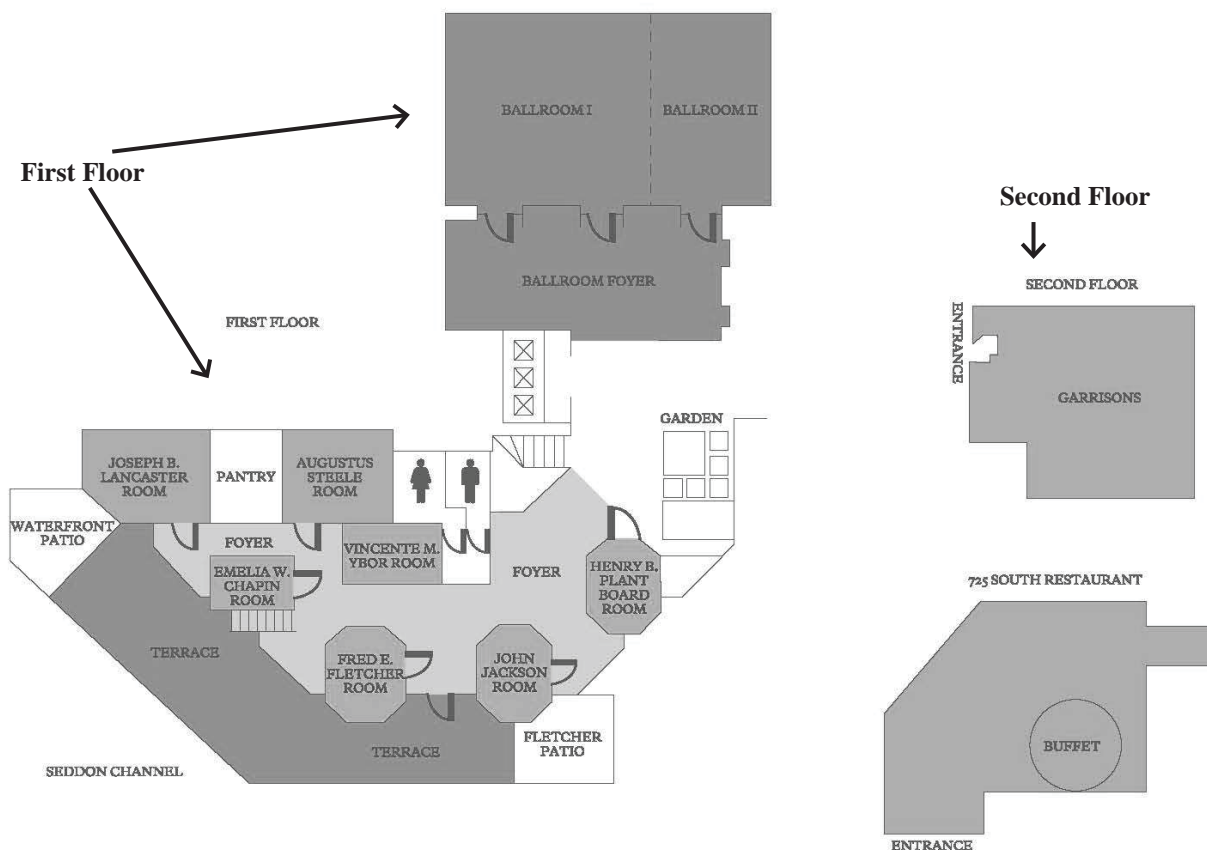
Room Name	Session Room Code#
Ballroom 1	85
Ballroom 2	86
Augustus Steele.....	87
Fred E. Fletcher.....	88
Joseph B. Lancaster	90

SECOND FLOOR

Room Name	Session Room Code#
Garrisons	89

Rooms Alphabetically:

Room Name	Session Room Code#	Room
Ballroom 1	85	First Floor
Ballroom 2	86	First Floor
Augustus Steele	87	First Floor
Fred E. Fletcher	88	First Floor
Garrisons.....	89	Second Floor
Joseph B. Lancaster	90	First Floor



U of Georgia
AD

PLENARY SESSIONS AND SPECIAL EVENTS

TUESDAY, APRIL 8

Historical Maps of Florida, with Tom Touchton

Tuesday, April 8, 11:50 a.m. - 12:30 p.m.

Room: Room 13, TCC, First Floor

Introduction: **Joel Morrison**

Speaker: **Tom Touchton**

Touchton, an avid collector of historical Florida maps, will discuss his extensive collection and his longstanding involvement in and support for the Tampa Bay History Center. The Tampa Bay History Center is hosting a special exhibition, *Charting the Land of Flowers: 500 Years of Florida Maps*, featuring Touchton's collection, many of them on view to the public for the first time. Following this lunchtime plenary, Touchton will lead a tour through this special cartographic exhibition of Florida's past.

AAG OPENING SESSION

Tuesday, April 8, 6:30 p.m. - 8:00 p.m.

Room: Grand Salon E, Marriott, Second Floor

Welcoming Remarks:

Douglas Richardson, AAG Executive Director

Julie Winkler, AAG President, Michigan State University

Presidential Plenary: Geographies of Climate Change

Introduction: **Julie Winkler**, AAG President, Michigan State University

Speakers:

Mike Hulme, King's College London

Linda Mearns, National Center for Atmospheric Research

Susanne Moser, Stanford University and University of California, Santa Cruz

Marshall Shepherd, American Meteorological Society

Climate change is a major environmental challenge facing humankind today. *Geographies of Climate Change*, a featured theme for the upcoming AAG Annual Meeting in Tampa, highlights the complex spatial dimensions of climate change including the observed and anticipated geographical differentiation in potential impacts and vulnerability. The theme will address such topics as the scientific complexity and uncertainty of climate change, its political and policy contextualization, the challenges of formulating adaptation and mitigation strategies, and the importance of effective communication strategies. The Presidential Plenary that opens the Annual Meeting will focus on this theme, and will feature four leading experts in the area of climate change research.

WEDNESDAY, APRIL 9

AAG Department Chairs' Symposium: Innovations in Master's Programs

Wednesday, April 9, 8:00 a.m. - 11:40 a.m.

Room: Florida Salon VI, Marriott, Second Floor

Organizer and Chair: **Kenneth E. Foote**, University of Connecticut

The theme of the symposium will be Innovations in Master's Programs: Changes, Challenges, and Strategies. Master's education is one of the fastest growing and most innovative areas of geography in higher education. In addition to new programs being established, geographers are experimenting with a wide range of certificate programs, Master's in GIScience curricula, and other efforts intended to help prepare students for a wide range of careers. The workshop will provide a forum to focus on these changes, especially the issues of curriculum content, interdisciplinary hybridity, delivery methods, faculty staffing and support, relationships to employers and employment opportunities, funding and tuition models, and longevity. The workshop will address issues related to stand-alone master's programs and master's/doctoral programs. Participants will have ample time to share their experiences in creating and growing their programs.

AAG Department Chairs' Luncheon

Wednesday, April 9, 11:40 a.m. - 2:00 p.m.

Room: Florida Salon VI, Marriott, Second Floor

Chair: **Mona Domosh**, Dartmouth College

The Department Chairs' Luncheon Meeting immediately follows the Department Chairs' Symposium. Chaired by AAG Vice President Mona Domosh, this meeting is open only to existing or incoming Department or Program Chairs. There is a \$35 registration fee to cover a meal during the Chairs' Luncheon Meeting. Please see the AAG Registration Desk, if you wish to sign-up to attend this event.

AAG Specialty and Affinity Group Chairs' Meeting

Wednesday, April 9, 11:40 a.m. - 12:50 p.m.

Room: Florida Salon V, Marriott, Second Floor

(light lunch will be provided)

A follow-on discussion session will be held in the same room from 12:40 p.m. - 2:20 p.m.

PLENARY SESSIONS AND SPECIAL EVENTS

AAG Honorary Geographer Award: Warren Washington

The Evolution of Climate Modeling and the US Global Change Research Program

Wednesday, April 9, 11:45 a.m. - 12:45 p.m.

Room: Ballroom D, TCC, First Floor

Welcoming remarks: **Julie Winkler**, AAG President, Michigan State University

Introduction: **Lesley-Ann Dupigny-Giroux**, University of Vermont

Speaker: **Warren Washington**, Senior Scientist, NCAR, and 2014 AAG Honorary Geographer

Over the last fifty years, the development of the computer modeling of the Earth's climate has led to major advances in our scientific understanding of both the natural and anthropogenic changes. The United States Global Change Research Program (USGCRP) developed from a White House meeting in 1990. This program now involves 17 agencies and has a budget of \$2.7 billion. Its thrust is a "comprehensive and integrated United States research program which will assist the Nation and the world to understand, assess, predict, and respond to human-induced and natural processes of global change". It is coordinated by both the White House Office of Science and Technology Policy (OSTP) and Office of Management and Budget (OMB). The program will "emphasize research that advances understanding of vulnerabilities in human and natural systems and their relationships to climate extremes, thresholds, and tipping points". The presentation will focus on the history and future development of these two major advances.

Territory, Politics, Governance Annual Lecture

Wednesday, April 9, 11:50 a.m. - 12:30 p.m.

Room: Grand Salon E, Marriott, Second Floor

Sponsor: Regional Studies Association

Organizer: **Sally Hardy**, Regional Studies Association

Chair: **Martin Jones**, University of Sheffield

Speaker: **Michael Storper**, London School of Economics

This presentation is the Annual Lecture for the Journal Territory, Politics, Governance which is owned by the Regional Studies Association (RSA). Further information about the Association and its funding activities are available from - www.regionalstudies.org. Professor Michael Storper, will present on 'Governing the Large Metropolis'

Geography and Militarism

Session 1

Wednesday, April 9, 12:40 p.m. - 2:20 p.m.

Room: Ballroom D, TCC, First Floor

Organizers: **Eric Sheppard**, AAG Past President, University of California, Los Angeles
James Tyner, Kent State University

Chair: **Eric Sheppard**, AAG Past President, University of California, Los Angeles

Discussants:

Trevor Barnes, University of British Columbia; James Tyner, Kent State University; Ruth Wilson Gilmore, Graduate Center, City University of New York; Jeremy Crampton, University of Kentucky; Sara Koopman, Wilfrid Laurier University; Francis A. Galgano, Villanova University

Session 2

Wednesday, April 9, 2:40 p.m. - 4:20 p.m.

Room: Ballroom D, TCC, First Floor

Chair: **James Tyner**, Kent State University

Discussants:

Joseph Bryan, University of Colorado, Boulder; Shannon O'Lear, University of Kansas; Joshua Inwood, University of Tennessee; Derek Gregory, University of British Columbia; Michael F. Goodchild, University of California, Santa Barbara; Kent H. Butts, U.S. Army War College

Geography has had a long and embattled engagement with militarism. Academic and professional geographers have participated in many ways in the study—and promotion—of war. Operating largely in a context where war was conceived as 'natural' and 'necessary', geographers used their expertise to advise policy makers and military planners, also contributing to foreign policies justifying military intervention. Others challenge such geographical contributions: As Peter Taylor (2004) sardonically writes, "God invented war to teach Americans geography." Seeing Geography as Mars' handmaiden, linking traditional military geographies with geographical determinism underwriting the power of nation-states, and noting that geographical methods long have been used by the military for targeting places and people, critics advocate for a more 'peaceful' geography. Given that war—and conflict more broadly—is inherently geographic, and at a moment when this is particularly salient, the purpose of these sessions is to incite engagement between differently situated experts on Geography's relationship with militarism.

PLENARY SESSIONS AND SPECIAL EVENTS

Federal Agency GIS Leaders Spotlight

Wednesday, April 9, 4:40 p.m. - 6:20 p.m.

Room: *Florida Salon IV, Marriott, Second Floor*

Chair: **Douglas Richardson**, AAG Executive Director

Speakers:

Ivan DeLoatch, Federal Geographic Data Committee

Timothy Trainor, US Census Bureau

Thomas Baerwald, National Science Foundation

Jerry Johnston, US Department of the Interior

William Ellwood, National Institutes of Health

Carrie Stokes, USAID

Lee Schwartz, US Department of State

Matt Larsen, US Geological Survey

Dean Gesch, USGS Eros Data Center

Dan Irwin, NASA

Dan Cole, Smithsonian Institution

Leading geography and geospatial officials from US federal agencies address new developments and key trends of interest to geographers.

The 2014 Antipode Lecture: Zones of Black Death: Institutions, Knowledges, and States of Being

Wednesday, April 9, 4:40 p.m. - 6:20 p.m.

Room: *Ballroom A, TCC, First Floor*

Sponsor: Wiley

Organizer: **Katherine McKittrick**, Queen's University

Speaker: **Rinaldo Walcott**, OISE University of Toronto

AAG INTERNATIONAL RECEPTION

Wednesday, April 9, 6:30 p.m. - 8:30 p.m.

Room: *Grand Salon E, Marriott, Second Floor*

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. Two free drink tickets are provided in your registration packet. Live music provided by Son Salvaje.

THURSDAY, APRIL 10

Climate Specialty Group Plenary Session: Dire Predictions: Understanding Global Warming

Thursday, April 10, 10:00 a.m. - 11:40 a.m.

Room: *Ballroom A, TCC, First Floor*

Introduction: **Doug Richardson**, AAG Executive Director

Organizer: **Jill Coleman**, Ball State University

Speaker: **Michael Mann**, Penn State University

Dr. Michael E. Mann is a Distinguished Professor of Meteorology at Penn State University, with joint appointments in the Department of Geosciences and the Earth and Environmental Systems Institute (EESI). He is the author of more than 160 peer-reviewed and edited publications, and has published two books including *Dire Predictions: Understanding Global Warming* in 2008 and *The Hockey Stick and the Climate Wars: Dispatches from the Front Lines* in 2012. He is also a co-founder and avid contributor to the award-winning science website RealClimate.org. A 40-50 minute presentation followed by Q & A session with the audience.

Symposium on Synergistic Advances of CyberGIS and Geography: Fostering Synergistic Advances of CyberGIS and Geography

Thursday, April 10, 10:00 a.m. - 11:40 a.m.

Room: *Room 20, TCC, First Floor*

Organizers: **Shaowen Wang**, University of Illinois at Urbana Champaign

Timothy Nyerges, University of Washington

Michael F. Goodchild, University of California, Santa Barbara

Chair: **Shaowen Wang**, University of Illinois at Urbana Champaign

Panelists: **Eric Sheppard**, AAG Past President, University of California, Los Angeles

Thomas Baerwald, National Science Foundation

Kenneth E Foote, University of Connecticut

Discussants: **Michael F. Goodchild**, University of California, Santa Barbara

Douglas Richardson, AAG Executive Director

Susan Cutter, University of South Carolina

CyberGIS - geographic information science and systems (GIS) based on advanced infrastructure of computing, information, and communication technologies (aka: cyberinfrastructure or e-infrastructure) - has emerged over the past several years as a vibrant interdisciplinary field. It has played essential roles in enabling computing- and data-intensive geospatial research and education across a number of domains, with significant societal impact. The panelists and discussants will address synergistic advances of CyberGIS and Geography by building on the success of the CyberGIS Symposium at the 2013 Annual Meeting. The AAG 2014 Symposium on CyberGIS and Geography includes a large number of panel and paper sessions.

A Conversation on the Future of Physical Geography

Thursday, April 10, 11:50 a.m. - 12:30 p.m.

Room: *Florida Salon V, Marriott, Second Floor*

Organizer: **Julie Winkler**, AAG President, Michigan State University

Chair: **Kenneth E Foote**, University of Connecticut

The goal of this discussion session is to generate ideas for

PLENARY SESSIONS AND SPECIAL EVENTS

strategies and initiatives to advance physical geography within the Association of American Geographers (AAG) and beyond. Discussion topics will include the recent proposal to expand the AAG's journal suite to include an interdisciplinary journal on global change (see the Presidential Column in the October 2013 issue of the AAG Newsletter), enhancing the visibility of physical geography research in the AAG's flagship journals (*Annals* and *Professional Geographer*), participation of physical geographers in the AAG annual meeting, strengthening physical geography through cross-disciplinary outreach, and additional issues and concerns raised by session participants. A small group of panelists will initiate the discussion, with the majority of the session devoted to input and feedback from participants. The chair of the AAG's Long Range Planning Committee will moderate the session.

Global Change and Environmental Responses in China

Thursday, April 10, 12:40 p.m. - 2:20 p.m.

Room: Room 22, TCC, First Floor

Organizers: **Chenghu Zhou**, Institute of Geographic Sciences and Natural Resources Research (IGSNRR)

Fahu Chen, Lanzhou University

Chunfeng Liu, IGSNRR

Chair: **Chenghu Zhou**, IGSNRR

Introduction: **Douglas Richardson**, AAG Executive Director

Speakers: **Fahu Chen**, Lanzhou University

Chansheng He, Western Michigan University

Tingjun Zhang, Lanzhou University

Wei Ye, Zhejiang Normal University

Discussants: **Oliver Frauenfeld**, Texas A&M University

Julie Winkler, AAG President, Michigan State University

Climate Change in Africa and Asia: MyCOE / SERVIR Global Fellows

Thursday, April 10, 12:40 p.m. - 2:20 p.m.

Room: Room 24, TCC, First Floor

Organizers: **Patricia A. Solís**, AAG and **Candida Mannozi**, AAG

Introduction: **Richard A. Marston**, Kansas State University

Florence Margai, Binghamton University

Soe Myint, Arizona State University

Speakers include student participants:

Khin Saint Saint Aye, Asian Institute of Technology; Susan Malaso Kotikot, Kenyatta University; Lhakpa, Royal University of Bhutan; Tsendenya Abebe Mengiste, Addis Ababa University; Prasamsa Thapa, Kathmandu University; Roseline Njih Egra Batcha, University of Yaounde 1; Jirawat Panpeng, Asian Institute of Technology; Joyeeta Poddar, Birla Institute of Technology; Khoa Minh Nguyen, Vietnam

National University; Wasiu Adigun Alimi, University of Ibadan; Sebele Dejene Tefera, Addis Ababa University; Pramila Paudyal, Tribhuvan University; Lateefah Oyinola, Federal University of Agriculture; Thi Mai Anh Tran, Vietnam Forestry University

Discussants: **Carrie Stokes**, USAID; **Daniel Irwin**, NASA

The MyCOE / SERVIR Partnership project supports young, emerging scholars to use geography and geographic technologies for sustainable development initiatives and facilitates ways in which existing geographic data and tools may be applied to critical needs across developing regions of the world.

Key themes for the fellowship research include Climate Change, Food Security, Hazards and Vulnerability, Sustainable Landscapes, and Women and Climate Change.

Teams of 120 participants had been chosen competitively in 24 developing countries over the past two years. They have received technical training and mentoring through capacity building events with regional experts at SERVIR Hubs, AAG staff, and AAG members serving as knowledge experts and instructors. The group presenting in this session were chosen from among this larger group of fellows to represent the program at the AAG Annual Meeting.

The program is led by AAG with support from NASA and USAID and software from Esri.

Author Meets Critics: *Detroit: Race Riots, Racial Conflicts, and Efforts to Bridge the Racial Divide* by Joe T. Darden and Richard Thomas

Thursday, April 10, 2:40 p.m. - 4:20 p.m.

Room: Grand Salon A, Marriott, Second Floor

Introduction: **Doug Richardson**, AAG Executive Director

Speaker: **Joe T. Darden**, Michigan State University

Panelists:

Ruth Wilson Gilmore, Graduate Center, City University of New York

Audrey Kobayashi, Queens University

Laura Pulido, University of Southern California

Bobby Wilson, University of Alabama

John Frazier, Binghamton University

Episodes of racial conflict in Detroit form just one facet of the city's storied and legendary history, and they have sometimes overshadowed the less widely known but equally important occurrence of interracial cooperation in seeking solutions to the city's problems. Unique among books on the subject, *Detroit* pays special attention to post-1967 social and political developments in the city, and expands upon the much-explored black-white dynamic to address the influx of more recent populations to Detroit: Middle Eastern Americans, Hispanic Americans, and Asian Americans. Crucially, the book explores the role of place of residence, spatial mobility, and spatial inequality as key factors in determining access to opportunities

PLENARY SESSIONS AND SPECIAL EVENTS

such as housing, education, employment, and other amenities, both in the suburbs and in the city.

This session will be followed by a book signing with the author.

Charting New Opportunities: Social Environment & Health Research

Thursday, April 10, 2:40 p.m. - 4:20 p.m.

Room: Florida Salon VI, Marriott, Second Floor

Sponsor: Health and Medical Geography Specialty Group

Organizers: **Bethany Deeds**, National Institute on Drug Abuse
William Elwood, National Institutes of Health

Chair: **Bethany Deeds**, National Institute on Drug Abuse

Current research has refined our understanding of which social environment features impact health, leading to new opportunities for both understanding and affecting these pathways. This paper session discusses recent findings and highlights new directions in health research from the NIH's Basic Behavioral & Social Sciences Research Opportunity Network (OppNet) grant portfolio

Environment and Planning a Forum: After Neoliberalism? The Kilburn Manifesto

Thursday April 10, 4:40 p.m. - 6:20 p.m.

Room: Grand Salon A, Marriott, Second Floor

Organizer: **Eric Sheppard**, AAG Past President, University of California, Los Angeles

Speaker: **Doreen Massey**, Professor Emeritus, Open University, and AAG 2014 Presidential Achievement Awardee

Discussants: **Victoria Lawson**, University of Washington and
Katherine Gibson, University of Western Sydney

The Kilburn Manifesto is a project initiated by Stuart Hall, Doreen Massey and Michael Rustin to engage political debate in the UK. It consists of a Framing Statement (After neoliberalism?) followed by a series of instalments on particular issues. It can all be found at <http://lwbooks.co.uk/journals/soundings/manifesto>. This talk will introduce the project, explain the approach we have adopted, and pull out some of the main themes that are emerging.

2014 IJURR Lecture: Urban Poverty, Space and Sociability – A Contribution from Brazilian Cities (Sponsored by IJURR)

Thursday, April 10, 4:40 p.m. - 6:20 p.m.

Room: Ballroom A, TCC, First Floor

Sponsor: Wiley

Organizer and Chair: **Julie-Anne Boudreau**, INRS-Montréal

Speaker: **Eduardo Marques**, CEM/University of Sao Paulo

There is a general agreement on the relevance of networks and space for poverty situations, although there is considerable dispute on the prominence of each element. This lecture discusses the relationships between space, sociability, and poverty, departing from research results on the networks of poor individuals in two major Brazilian metropolises - Salvador and São Paulo. Certain types of networks and sociability are systematically associated with better life conditions, employment, and income. These mechanisms explain a great part of the heterogeneity of networks, as well as mediate the individual's access to opportunities and everyday assistance. They therefore contribute decisively to the production (and reproduction) of urban poverty.

A Tribute to Roger Tomlinson (1933 – 2014)

Thursday April 10, 4:40 p.m. - 6:20 p.m.

Room: Ballroom D, TCC, First Floor

Sponsors: Cartography and Geographic Information Society (CaGIS); University Consortium for Geographic Information Science (UCGIS)

Opening Remarks: **Douglas Richardson**, AAG Executive Director

Speakers: **Eric Anderson**, Executive Director, CaGIS

Timothy Nyerges, Past President, UCGIS

Comments and tributes by the attendees.

A native of Cambridge, England, Roger F. Tomlinson is credited for coining the term geographic information system (GIS). He created one of the first computerized geographic information system in the 1960s, while working for the Canadian government. He settled in Canada after military service and obtaining his university degrees. Tomlinson has had a distinguished career as a pioneer in GIS. For 12 years, he was chairman of the International Geographical Union GIS Commission. He was also president of the Canadian Association of Geographers and received the prestigious Alexander Graham Bell Medal by the National Geographic Society. Most recently, he was awarded the Order of Canada by the Governor General for "changing the face of geography as a discipline." Tomlinson was also the author of *Thinking About GIS: Geographic Information System Planning for Managers*, one of the most widely read books on the subject.

Please come celebrate Tomlinson's life and share your comments and memories of him with other friends and colleagues.

PLENARY SESSIONS AND SPECIAL EVENTS

AAG PAST PRESIDENT'S ADDRESS

Thinking Geographically: Globalizing Capitalism, and Beyond

Thursday, April 10, 6:30 p.m. - 7:30 p.m.

Room: *Grand Salon E, Marriott, Second Floor*

Opening Remarks: **Douglas Richardson**, AAG Executive Director

Introduction: **Julie Winkler**, AAG President, Michigan State University

Speaker: **Eric Sheppard**, AAG Past President, University of California, Los Angeles

Eric Sheppard's Past President's Address will advocate for and also define thinking geographically, as a way of being in the world that all can join, rather than policing the boundaries of a discipline called Geography.

Sheppard will also lay out the implications of thinking geographically about globalizing capitalism, such as understanding that the globally influential theories of capitalism were European in origin, grounded in European Enlightenment thinkers' encounters with the forms that emerged in eighteenth and nineteenth century northwestern Europe. Thinkers positioned beyond the European realm, such as Latin American dependency theorists or the Africans Samir Amin and Frantz Fanon, have also shaped global debate—albeit about the consequences rather than the definition of capitalism.

AAG Presidential Achievement Award presentation to: **Doreen Massey**, Open University.

AAG Past President, Eric Sheppard, will also confer the *AAG Presidential Achievement Award* upon **Doreen Massey** of the Open University (UK), for her foundational contributions to feminist geography, geographical political economy, relational geography, conceptualizations of place and space, and emancipatory approaches to urban development.

FRIDAY, APRIL 11

Late Breaking News Session: Crisis in Ukraine: Background and a Report from Kyiv

Friday, April 11, 11:50 a.m. - 12:30 p.m.

Room: *Room 13, TCC, First Floor*

Organizer and Chair: **John Western**, Syracuse University

Speaker: **Roman Cybriwsky**, Temple University

The mass protest movement in Kyiv and other Ukrainian cities against the government of President Yanukovich is more than a tugging of Ukraine between the European Union and Russia. It is also a grassroots fight against endemic corruption and for rule of law, as well as an anti-colonial struggle for true national independence and identity. The situation is highly fluid and no one knows what will happen in the country by the time of the AAG meeting, but whatever takes place is certain to make history. Roman Cybriwsky is an urban-social geographer from Temple University who knows the scene well. His book about contemporary Kyiv, *City of Domes and Demons*, will be published this spring. He has spent time in the thick of the EuroMaidan protests in Kyiv, and has many personal observations and photographs to share. He continues to be in close touch with protesters and journalists on the scene, and promises a presentation that is up-to-date, informed, and balanced.

AAG Long-range Plan

Friday, April 11, 12:40 p.m. - 2:20 p.m.

Room: *Meeting Room 11, Marriott, Third Floor*

Organizer: **Kenneth E Foote**, University of Connecticut

Panelists: **Sara McLafferty**, University of Illinois

Jeremy Mennis, Temple University

JW Harrington, University of Washington Tacoma

Eric Sheppard, AAG Past President, University of California, Los Angeles

The AAG is in the process of revising and updating its long-range plan. This session will overview the update process and seek input from AAG members.

PLENARY SESSIONS AND SPECIAL EVENTS

Ecosystem and Land Cover Mapping Approaches at Regional and Global Scales

Friday, April 11, 12:40 p.m. - 2:20 p.m.

Room: Room 11, TCC, First Floor

Sponsor: United States Geological Survey

Organizers: **Roger Sayre**, United States Geological Survey
Jon Campbell, United States Geological Survey

Authors: **Roger Sayre**, United States Geological Survey,
Kristi L. Sayler, United States Geological Survey
Michelle A. Bouchard, InuTeq, Contractor to the USGS
Ryan R. Reker, InuTeq, Contractor to the USGS
Aaron M. Friesz, Information Dynamics, Contractor to the USGS
Terry L. Sohl, United States Geological Survey
Michelle L. Knappe, United States Geological Survey
Travis Van Hofwegen, SGT, Inc., Contractor to USGS
Benjamin Sleeter, United States Geological Survey

This session will feature U.S. Geological Survey (USGS) researchers presenting landscape modeling approaches at regional, national, and global scales as well as through time. Modeling landscapes allows scientists to better discern driving factors in current and historical landscape change and helps them evaluate the widely varied potential of current or projected landscapes for conservation, for agricultural or urban development, and for climate and hydrologic interactions. The presentations will focus on global terrestrial ecosystem mapping, the SilvaCarbon forest monitoring initiative, current and past land cover mapping across the Great Plains, and regional ecosystem disturbance and land carbon mapping across the United States.

Roepke Lecture in Economic Geography

Friday, April 11, 4:40 p.m. - 6:20 p.m.

Room: Ballroom D, TCC, First Floor

Sponsors: Economic Geography

Organizer: **Yuko Aoyama**, Clark University

Chair: **Marion Werner**, University at Buffalo, SUNY

Speaker: **Linda McDowell**, University of Oxford

The Department of Geography at the University of Illinois at Urbana-Champaign in conjunction with *Economic Geography*, the journal, and the AAG Economic Geography Specialty Group are co-sponsoring the 2014 Roepke Lecture given by Linda McDowell, Professor of Human Geography at the University of Oxford.

Discussant: **Mona Domosh**, Dartmouth College

AAG ATLAS AWARD: Julian Bond, Civil Rights Pioneer and Professor Emeritus, University of Virginia

“Race around the World”

Friday, April 11, 6:30 p.m. - 8:00 p.m.

Room: Grand Salon E, Marriott, Second Floor

Opening Remarks: **Douglas Richardson**, AAG Executive Director

Introduction: **Joe T. Darden**, Michigan State University

Speaker: **Julian Bond**, University of Virginia

“Race around the World” is an examination of how civil rights figures and civil rights organizations played a role in shaping and changing American foreign policy.

Julian Bond has played a central role throughout the U.S. Civil Rights Movement, as a leading figure in the Student Nonviolent Coordinating Committee and as co-founder and first president of the Southern Poverty Law Center. Bond was repeatedly elected to the Georgia General Assembly for 20 years, including six terms as a state senator. More recently, he has served as Chairman of the NAACP for 12 years, from 1998 to 2010.

AAG President, **Julie Winkler**, will confer the 2014 AAG Atlas Award to Professor Bond following his address.

AAG WORLD GEOGRAPHY BOWL

Friday, April 11, begins at 7:00 p.m.

Room: Rooms 21, 22, 23 and Ballroom B, TCC, First Floor

Student teams from the AAG’s regional divisions will compete in a round robin tournament starting at 7:00 p.m. in Rooms 21, 22, 23 and Ballroom B of the Tampa Convention Center. The Championship Round will begin at approximately 10:00 p.m.

Directors:

Andrew Shears, Mansfield University

Niem Tu Huynh, Association of American Geographers

Volunteers and Question Authors:

Andrew Allen, University of Kansas; Casey Allen, University of Colorado Denver; Don Colley, San Diego State University; Jamison Conley, West Virginia University; Richard Deal, Edinboro University; Dawn Drake, Missouri Western University; Robert Edsall, Idaho State University; Emily Fekete, University of Kansas; Peggy Gripshover, Western Kentucky University; Patrick May, Plymouth State University; Lee Nolan, Pennsylvania State University; Wesley Reisser, George Washington University; Michael Webb, University of North Carolina

PLENARY SESSIONS AND SPECIAL EVENTS

SATURDAY, APRIL 12

AAG AWARDS LUNCHEON

Saturday, April 12, 11:50 a.m. - 2:00 p.m.

Room: Ballroom 1, Westin Hotel, First Floor

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 12 in Ballroom 1 of the Westin Hotel from 11:50 a.m. - 2:00 p.m.

The following Honors will be presented:

AAG Lifetime Achievement Honors

Anne Buttimer, University College Dublin and
Alexander Murphy, University of Oregon

AAG Distinguished Scholarship Honors

Meric Gertler, University of Toronto and
Amy Glasmeier, MIT

AAG Ronald F. Abler Distinguished Service Honors

James W. Harrington, University of Washington, Tacoma
Wei Li, Arizona State University

AAG Gilbert Grosvenor Geographic Education Honors

Darrel Hess, City College of San Francisco

AAG Gilbert White Public Service Honors

Eve Gruntfest, University of Colorado - Colorado Springs

AAG Media Achievement Award

Derek Alderman, University of Tennessee

AAG Publication Award

Esri

In addition to AAG Honors, the Burrill Award, Nystrom Award, AAG Enhancing Diversity Award, Harold M. Rose Award for Anti-Racism in Research and Practice, AAG Stanley Brunn Award for Creativity in Geography, AAG Globe and Meridian Book Awards, Specialty Group Awards, and others will also be presented.

The following individuals have held 50 years of continuous AAG membership, a measure of support for the Association that will be recognized at the AAG Awards Luncheon:

Ronald F. Abler
James P. Allen
William R. Black
Robert O. Clark
Malcolm L. Comeaux
Gary S. Elbow
John B. Fieser,
Robert R. Geppert
Lay J. Gibson
Charles Good, Jr
Janet H. Gritzner
Gilbert M. Grosvenor
Kingsley E. Haynes
John C. Hudson
John A. Jakle
Wayne E. Kiefer
Max C. Kirkeberg
Charles Kovacik

James S. Kus
Ary J. Lamme, III
Lawrence E. Maxwell
David R. Meyer
M Clare Newman
Philip R. Pryde
Gabriel A. Renzi
Thomas F. Saarinen
David E. Schwarz
George E. Sinnott
James N. Snaden
Clifford E. Tiedemann
Stephen W. Tweedie
George M. Ververides
David Ward
Stephen O. Wilson
Richard D. Wright

The cost of the luncheon is \$55, including service and tax. A complete table of ten is also available at \$495. Tickets may be purchased at the AAG Registration Desk.

AAG BUSINESS MEETING

Saturday, April 12, 2:30 p.m. - 3:40 p.m.

Room: Joseph B. Lancaster Room, Westin Hotel, First Floor

The AAG's annual Business Meeting will be held in the *Joseph B. Lancaster Room* of the Westin Hotel, on Saturday, April 12, from 2:30 p.m. - 3:40 p.m. AAG officers will present their annual reports. All are welcome to attend.

Pearson
AD

AAG Event AD

FEATURED THEMES

Geographies of Climate Change

Climate change is perhaps the major environmental challenge facing humankind today. Geographies of Climate Change, a featured theme for the upcoming AAG Annual Meeting in Tampa, highlights the complex spatial dimensions of climate change including the observed and anticipated geographical differentiation in potential impacts and vulnerability. Julie Winkler's Presidential Plenary that opens the Annual Meeting will focus on this theme, and will feature Mike Hulme, author of *Why We Disagree about Climate Change*; Linda Mearns, project leader of the North American Regional Climate Change Assessment Program; Susanne Moser, co-author of the recently-published *Successful Adaptation to Climate Change*, and J. Marshall Shepherd, current president of the American Meteorological Society.

Contributions in the Geographies of Climate Change theme will address the scientific complexity and uncertainty of climate change, its political and policy contextualization, the challenges of formulating adaptation and mitigation strategies, and the importance of effective communication strategies.

Session 1756 is the AAG Presidential Plenary.

Session Numbers in this theme: 1123, 1132, 1201, 1223, 1232, 1266, 1401, 1432, 1468, 1501, 1532, 1568, 1601, 1626, 1632, **1756**, 2115, 2116, 2118, 2119, 2152, 2216, 2218, 2219, 2252, 2405, 2416, 2419, 2423, 2516, 2519, 2523, 2541, 2616, 2619, 3129, 3136, 3181, 3226, 3229, 3422, 3424, 3429, 3469, 3480, 3530, 3577, 3630, 3677, 4115, 4135, 4215, 4235, 4415, 4439, 4515, 4539, 4615, 4639, 5131, 5132, 5135, 5231, 5232, 5235, 5431, 5432, 5435, 5531, 5532, 5535

A schedule of sessions in this theme is available at:
<http://www.aag.org/cs/annualmeeting/climate>

GIScience, GIS, and Public Policy

The potential for GIS and GIScience to contribute to the formation of public policy has long been a reality, but is now becoming more broadly understood and central to governmental policy-making at all levels, as well as in society at large. The *GIScience, GIS, and Public Policy* theme will explore the expanding role of GIScience and GIS in the public policy arena, on crucial national issues such as climate change, immigration, health, civil rights and racism, transportation, energy, electoral redistricting, natural resources, social justice, the environment, and many others.

This theme also encompasses another dimension, that of federal and state policy-making regarding GIS itself. At the AAG Tampa meeting, several special sessions will focus on the work of two key national organizations which make policy for GIS: the Federal Geographic Data Committee (FGDC) and the National Geospatial Advisory Committee (NGAC). Current challenges in GIScience, such as locational

privacy implications of the wide-spread availability of real-time geographic data, will be an area of special focus. Sessions have been developed which address issues such as public access to governmental GIS data, federal procurement procedures for GIS and mapping services, evolving legal frameworks of a spatially enabled society, and a wide range of critical analyses and perspectives of GIScience, GIS, and Public Policy.

A session of particular significance under this theme is 2665, Federal Agency GIS Leaders Spotlight.

Session Numbers in this theme: 1209, 1409, 1509, 1609, 2152, 2252, 2465, 2565, **2665**, 2630

A schedule of sessions in this theme is available at:
<http://www.aag.org/cs/annualmeeting/GISpolicy>

Racism and Violence

In the wake of the death of Trayvon Martin and acquittal of George Zimmerman, the 2014 AAG meeting in Tampa presents a particularly apposite opportunity to highlight geographical scholarship addressing racism and violence. In addition to special sessions organized by AAG Past-President Audrey Kobayashi and Professor Joe Darden on the U.S. 'stand your ground' law, many others have developed sessions and submitted papers related to this theme. The Racism and Violence special session theme focuses on the need for more comprehensive civil rights legislation, desegregation of public schools, and greater access to employment for all groups and an increased minimum wage.

Sessions of particular significance under this theme are 3173 and 3273, Stand Your Ground (1&2), 3552, Author Meets Critics with Joe Darden, and 4756 Julian Bond's Atlas Awardee presentation.

Session Numbers in this theme: 1211, 1411, 1496, 1511, 1569, 1611, 2139, 2234, 2409, 2509, 2609, 2626, **3173**, **3273**, 3473, **3552**, 3652, 3673, 4168, 4268, 4421, **4468**, 4521, **4568**, 4574, **4668**, 4674, **4756**, 5270

A schedule of sessions in this theme is available at:
<http://www.aag.org/cs/annualmeeting/RacismandViolence>

Scale and Sustainability

At what scale should sustainability be examined? More than a decade ago, the scale of global climate change, impacts, and adaptation was examined by the AAG project on Global Change in Local Places. A major finding was the mismatch between the scale of global knowledge and of local responses. In these sessions, the query is extended to all of sustainable development—the linking of environment and development to enhance human well-being while preserving the life support systems of the planet.

FEATURED THEMES

Sessions have been organized around the theme of how scale matters for sustainability. The questions that these sessions are trying to answer include:

- How do geographic and temporal scales of sustainability relate to each other?
- At what geographic and temporal scales can sustainable development be assessed or its pathways evaluated?
- Where do actions that address the sustainability transition take place and where should they take place?
- What are the scales of the constituents of human well-being?
- How do the scales of the three pillars of sustainable development: environment, economy, and equity differ?
- What ought to be the scales, and units of local, regional, and global sustainability?
- What are good case studies of cross-scale interactions and what do these teach us?
- How does scale and sustainability interact within specific application domains such as climate change, health, agriculture, energy, etc.
- Do global phenomena of economic activity or of technological change shift the scales of sustainability?
- Other key questions addressing Scale and Sustainability

A summative session of particular significance under this theme is 4465, At What Scale Should Sustainability be Examined.

Session Numbers in this theme: 1215, 1415, 1540, 1603, 1666, 2173, 2265, 2273, 2473, 2541, 2573, 2666, 2673, 3165, 3265, 3424, 3465, 3565, 3665, 4121, 4221, 4265, **4465**, 4573, 4673

A schedule of sessions in this theme is available at: <http://www.aag.org/cs/annualmeeting/Scale>

The American South

With the annual meeting located in Tampa, Florida, this year, the nation of geographers has an unparalleled opportunity to engage with the US region that is the American South. A region with both painful legacies and vibrant social justice movements, with both distinct sub-regional cultures and a broad overall flavor, with many geographic patterns simultaneously both similar to and different from those in the US as a whole, the American South is deserving of scholarly attention from a wide range of perspectives. The study of the American South has long been of importance to geographers. Yet, the region has received increased attention as of late, leading to the founding of an AAG specialty group on the South and the expansion of the *Southeastern Geographer* to a quarterly journal. Underlying this renaissance and remaking of Southern Studies is a critical engagement with current theoretical and methodological debates and changes in geography, a valuing of the environmental as

well as the cultural and political dimensions of the region, and a consideration of previously marginalized voices and perspectives within traditional conceptions of southern identity.

This session theme includes contributions that (a) demonstrate scholarship on the social, political, cultural, economic, environmental/physical geographic, and ecological aspects of the American South; (b) engage in critical reflection on the issues, processes, intrinsic qualities, and interconnections that shape the region and its landscapes; (c) utilize innovative techniques and methods in exploring aspects of the US Southeast; (d) provide venues for the exchange of research and teaching ideas among scholars of the American South; or (e) build greater ties between geographers and the larger, cross-disciplinary Southern Studies community.

Sessions of particular significance under this theme are 4468, 4568, 4668 Civil Rights Legacy I, II, and III and 5111 Water in the South.

Sessions numbers in this track: 1174, 1274, 1474, 1569, 1574, 1669, 1674, 2135, 2235, 2411, 2477, 2521, 2577, 2677, 3135, 3166, 3205, 3235, 3435, 3505, 3535, 3635, 4135, 4235, **4468, 4568, 4668, 5111, 5211.**

A schedule of sessions in this theme is available at: <http://www.aag.org/cs/www.aag.org/annualmeeting/americansouth>

Jobs and Careers

The Jobs & Careers Center will provide a central location for job seekers, students, and professionals to interact with one another and to learn more about careers and professional development for geographers. Through this center, sessions have been organized on topics ranging from preparing for and sustaining an academic career, finding employment in the business, government, and nonprofit sectors, the role of community college and undergraduate programs in career preparation, enhancing students' employability through internships and work-based learning, integrating career preparation into geography programs and curricula, and working internationally.

A session of particular significance under this theme is 4414, Integrating Careers Awareness and Preparedness into the Geography Curriculum.

Session Numbers in this theme: 1114, 1169, 1214, 1235, 1269, 1414, 1424, 1514, 1581, 1614, 2213, 2214, 2414, 2424, 2459, 2513, 2514, 2581, 2614, 2621, 3114, 3160, 3174, 3214, 3260, 3413, 3414, 3513, 3514, 3614, 3640, 4207, 4214, 4281, **4414, 4433, 4512, 4514, 4614.**

A schedule of sessions in this theme is available at: <http://www.aag.org/cs/annualmeeting/CareersSessions>

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SPECIALTY GROUP HIGHLIGHTED SESSIONS

**AAG Specialty Groups are invited to highlight one special session each year.
These sessions are listed below and include session number, time and location.**

Bible Geography Specialty Group

3468 Geography of the Holy Land: New Insights

Thursday, April 10, 12:40 p.m. – 2:20 p.m.

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

Business Geography Specialty Group

4207 Locational Intelligence and Spatial Thinking: A Panel Discussion on the Conceptual Foundations of our Discipline

Friday, April 11, 10:00 a.m. – 11:40 a.m.

Room: Room 7, TCC, First Floor (Panel Session)

China Specialty Group

4672 Author Meets Critics: Emily Yeh's "Taming Tibet: Landscape Transformation, and the Gift of Chinese Development"

Friday, April 11, 4:40 p.m. – 6:20 p.m.

Room: Meeting Room 5, Marriott, Second Floor (Panel Session)

Coastal and Marine Specialty Group

3178 Examining the Social Coast

Thursday, April 10, 8:00 a.m. – 9:40 a.m.

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

Community College Affinity Group

4401 World Regional Geography: Strategies for teaching the World in a lower division classroom (Part One)

Friday, April 11, 12:40 p.m. – 2:20 p.m.

Room: Room 1, TCC, First Floor (Panel Session)

Cultural and Political Ecology Specialty Group

4529 Annual CAPE Plenary Lecture, by Karl Zimmerer

Friday, April 11, 2:40 p.m. – 4:20 p.m.

Room: Ballroom D, TCC, First Floor (Paper Session)

Cultural Geography Specialty Group

4667 Cultural Geography Specialty Group Annual Marquee Address

Friday, April 11, 4:40 p.m. – 6:20 p.m.

Room: Florida Salon VI, Marriott, Second Floor (Panel Session)

Development Geographies Specialty Group

4524 Development Geographies: Scales, Directions, Visions

Friday April 11, 2:40 p.m. – 4:20 p.m.

Room: Room 24, TCC, First Floor (Panel Session)

Ethnic Geography Specialty Group

3417 Ethnic Geography Specialty Group Distinguished Scholar Lecture: Audrey Kobayashi

Thursday, April 10, 12:40 p.m. – 2:20 p.m.

Room: Room 17, TCC, First Floor (Paper Session)

European Specialty Group

2431 The Current State of Migration in Europe 2

Wednesday, April 9, 12:40 p.m. – 2:20 p.m.

Room: Room 31, TCC, Fourth Floor (Paper Session)

Geographies of Food and Agriculture Specialty Group

4554 Author Meets Critics: Seth Holmes' Fresh Fruit, Broken Bodies. Migrant Farmworkers in the United States

Friday, April 11, 2:40 p.m. – 4:20 p.m.

Room: Grand Salon C, Marriott, Second Floor (Panel Session)

Geography of Religions and Belief Systems Specialty Group

2223 GORABS Annual Lecture: The Popes and the City of Rome during Fascism, 1922-1943

Wednesday, April 9, 10:00 a.m. – 11:40 a.m.

Room: Room 23, TCC, First Floor (Panel Session)

Graduate Student Affinity Group

2621 GSAG Plenary with Rich Heyman: "Professionalization, activism, and the GSAG"

Wednesday, April 9, 4:40 p.m. – 6:20 p.m.

Room: Room 21, TCC, First Floor (Panel Session)

History of Geography Specialty Group

4260 Geography in Action: Doctoral Dissertation Research Trends and Traditions over the last 120 Years

Friday, April 11, 10:00 a.m. – 11:40 a.m.

Room: Grand Salon I, Marriott, Second Floor (Panel Session)

SPECIALTY GROUP HIGHLIGHTED SESSIONS

Human Dimensions of Global Change Specialty Group

3218 The Future of Human Dimensions of Global Change Research

Thursday, April 10, 10:00 a.m. – 11:40 a.m.

Room: Room 18, TCC, First Floor (Panel Session)

Indigenous Peoples Specialty Group

2411 Gullah/Geechee-Disya Who WEBE: Indigenous Identity and the Sea Islands (IPSG Annual Plenary Speaker)

Wednesday, April 9, 12:40 p.m. – 2:20 p.m.

Room: Room 11, TCC, First Floor (Panel Session)

Latin American Specialty Group

3240 Pan-American Geography: Working Across Academic, NonProfit, and Public Sectors to Enrich Research and Education in the Americas

Thursday, April 10, 10:00 a.m. – 11:40 a.m.

Room: Room 30B, TCC, Fourth Floor

Paleoenvironmental Change Specialty Group

2215 Duelling Teleconnections: Implications for Paleoenvironmental Reconstruction

Wednesday, April 9, 10:00 a.m. – 11:40 a.m.

Room: Room 15, TCC, First Floor (Panel Session)

Population Specialty Group

4423 Population Specialty Group: Lifetime Achievement Award for David A. Plane

Friday, April 11, 12:40 p.m. – 2:20 p.m.

Room: Room 23, TCC, First Floor (Panel Session)

Socialist and Critical Geography Specialty Group

2623 James Blaut Award and Memorial Lecture

Wednesday, April 9, 4:40 p.m. – 6:20 p.m.

Room: Room 23, TCC, First Floor (Panel Session)

Stand Alone Geographers Affinity Group

3414 Successful Stand Alone Geographers (SAGEs): Strategies for Thriving as a Lone Geographer

Thursday, April 10, 12:40 p.m. – 2:20 p.m.

Room: Room 14, TCC, First Floor (Panel Session)

Study of the American South Specialty Group

5111 Water in the South

Saturday, April 12, 8:00 a.m. – 9:40 a.m.

Room: Room 9, TCC, First Floor (Panel Session)

Routledge
AD (page 1 of 2)

Routledge
AD (page 2 of 2)

WORLD GEOGRAPHY BOWL

Friday, April 11, 7:00 p.m.

Location: Rooms 21, 22, 23 and Ballroom B, TCC, First Floor

The World Geography Bowl Committee would like to thank the AAG for sponsoring the 2014 national competition through its contributions to the student travel fund, which assists regional divisions in sending student team members to compete at the AAG Annual Meeting.

The Committee would also like to thank the following organizations for their generous donations of prizes and awards.



Student teams from the AAG's regional divisions will compete in a round robin tournament starting at 7:00 p.m. in the Rooms 21, 22, 23 and Ballroom B, TCC, First Floor.

The Championship Round will begin at approximately 10:00 p.m.

Directors

Andrew Shears, Mansfield University

Niem Tu Huynh, Association of American Geographers

Volunteers and Question Authors for the World Geography Bowl include:

Andrew Allen, University of Kansas
Casey Allen, University of Colorado Denver
Don Colley, San Diego State University
Jamison Conley, West Virginia University
Richard Deal, Edinboro University
Dawn Drake, Missouri Western University
Robert Edsall, Idaho State University

Emily Fekete, University of Kansas
Peggy Gripshover, Western Kentucky University
Patrick May, Plymouth State University
Lee Nolan, Pennsylvania State University
Wesley Reisser, George Washington University
Michael Webb, University of North Carolina

Cabi/Stylus AD

JOBS & CAREERS CENTER

JOBS & CAREERS CENTER • GENERAL INFORMATION

The Jobs & Careers Center will be located in Room 14, Tampa Convention Center (TCC), First Floor. It provides a central location for job seekers, students, and professionals to interact with one another and to learn more about careers and professional development for geographers. No additional cost or registration is required for conference participants to visit the Jobs & Careers Center.

Information Booth

The information booth will provide you with a welcome and introduction to the Jobs & Careers Center. Here you can browse a range of materials including brochures, tip sheets, and books related to careers and professional development. Our staff can also answer general questions about the various events and activities happening in the Jobs & Careers Center throughout the Annual Meeting. The information booth will operate from 8:00 am until 4:30 pm on April 8-11.

Career Mentoring

Whether you're looking for your first job, considering graduate school, or changing careers, the advice of a mentor can help prepare you for success in today's competitive job market. The AAG has assembled a team of experienced geography professionals, faculty members, and advanced students to provide one-on-one and small-group consultation about careers in a variety of industries and employment sectors. Topics for discussion might include creating resumes and cover letters that will grab an employer's attention, finding jobs where you can put your geography skills and training to work, choosing a graduate program, developing your personal and professional networks, and long-term career planning.

Job Postings

Each year, the Jobs & Careers Center features job postings in all fields of geography. Attendees can browse the postings during the career mentoring sessions and open-access periods. See the schedule of activities for dates and times.

Diversity Ambassadors

A diverse group of graduate students and early-career geographers serve as AAG Diversity Ambassadors. Volunteers are willing to share their experiences and advice about college life, graduate school, job searches, networking, navigating the Annual Meeting and more. Faculty and employers who seek to achieve greater diversity in their programs and workforces are encouraged to speak with the Ambassadors. AAG Diversity Ambassadors can be identified by their green badge ribbons. Look for them throughout the conference. In recognition of eight years of leadership, the Diversity Ambassadors are organizing two sessions. The first session (2213) is intended to both build upon and enhance the information provided in alternative conference sessions focused on professional development and careers. The second session (2540) will provide attendees with informal, tailored opportunities to engage in focused one-on-one discussions with members of the AAG Healthy Departments Committee and the AAG Diversity Ambassadors that focus on developing and nurturing healthy, inclusive and diverse departments.

GISCI Certification

Did you know you can earn GISP credits by participating in the AAG Annual Meeting? Attendance provides several ways to earn necessary points for the "Contributions to the Profession" and "Education" components of becoming a GISP. A workshop entitled "Becoming a Certified GISP and Why It Matters for Your Geospatial Career" will take place on Friday, April 11, from 4:40-6:20 pm in the Jobs & Careers Center. Prospective GISPs and current GISPs who have questions about renewing their certification are encouraged to attend. Attendance is first-come, first-served and will be capped at 30 participants.

JOBS & CAREERS CENTER

JOBS & CAREERS CENTER • SCHEDULE OF ACTIVITIES

TUESDAY, APRIL 8

- | | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------|
| 8:00 a.m. - 9:40 a.m. | Panel: <i>Welcome to the AAG Annual Meeting! A Discussion on Navigating and Making the Most of the Conference</i> |
| 10:00 a.m. - 11:40 a.m. | Career Mentoring |
| 12:40 p.m. - 2:20 p.m. | Workshop: <i>Networking: Promoting Yourself by Making Connections that Count</i> |
| 2:40 p.m. - 4:20 p.m. | Panel: <i>Working Abroad: International Job Opportunities for Geographers</i> |
| 4:40 p.m. - 6:20 p.m. | Panel: <i>Careers and Collaborations: Partnerships in Archives, Data Centers, and Libraries</i> |

WEDNESDAY, APRIL 9

- | | |
|-------------------------|----------------------------------------------------------------------------------------------|
| 10:00 a.m. - 11:40 a.m. | Career Mentoring |
| 12:40 p.m. - 2:20 p.m. | Panel: <i>The Future of Locational Intelligence: Facilitating Student/Career Transitions</i> |
| 2:40 p.m. - 4:20 p.m. | Panel: <i>Beyond the Ivory Tower: Applied Careers for Geographers</i> |
| 4:40 p.m. - 6:20 p.m. | Panel: <i>Ethical and Practical Implications of Internships in Geography</i> |

THURSDAY, APRIL 10

- | | |
|-------------------------|--------------------------------------------------------------------------------------------------------|
| 8:00 a.m. - 9:40 a.m. | Workshop: <i>Preparing Geography Students for the 21st-Century Workforce</i> |
| 10:00 a.m. - 11:40 a.m. | Career Mentoring |
| 12:40 p.m. - 2:20 p.m. | Panel: <i>Successful Stand Alone Geographers (SAGEs): Strategies for Thriving as a Lone Geographer</i> |
| 2:40 p.m. - 4:20 p.m. | Panel: <i>The Academic Job Market for Geographers</i> |
| 4:40 p.m. - 6:20 p.m. | Panel: <i>Navigating an Academic Career: Opportunities and Challenges for Geographers</i> |

FRIDAY, APRIL 11

- | | |
|-------------------------|--------------------------------------------------------------------------------------------|
| 10:00 a.m. - 11:40 a.m. | Career Mentoring |
| 12:40 p.m. - 2:20 p.m. | Panel: <i>Integrating Careers Awareness and Preparedness into the Geography Curriculum</i> |
| 2:40 p.m. - 4:20 p.m. | Workshop: <i>You're Hired: Tips and Tricks for Impressive Resumes and Portfolios</i> |
| 4:40 p.m. - 6:20 p.m. | Workshop: <i>Becoming a Certified GISP and Why it Matters for Your Geospatial Career</i> |

**The Jobs & Careers information
booth will operate from 8:00 a.m. to
4:30 p.m. daily, April 8th - 11th, in
Room 14, Tampa Convention Center,
First Floor.**

JOBS & CAREERS CENTER

CAREERS AND PROFESSIONAL DEVELOPMENT SESSIONS

There are many special sessions at the AAG Annual Meeting on careers in geography, professional development, and employment opportunities. They are listed below with their session number, time, and location.

TUESDAY, APRIL 8

1114: Welcome to the AAG Annual Meeting! A Discussion on Navigating and Making the Most of the Conference

8:00 a.m. - 9:40 a.m. in Room 14, TCC, First Floor

Sponsored by Graduate Student Affinity Group, Jobs and Careers, Geography Faculty Development Alliance (GFDA)

1169: Entrepreneurship, Innovation and Sustainability (1)

8:00 a.m. - 9:40 a.m. in Meeting Room 2, Marriott, Second Floor

Sponsored by Jobs and Careers

1214: Career Mentoring A

10:00 a.m. - 11:40 a.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

1235: Curricular Redesign, Innovation and Action for Student Success in Changing Times (1)

10:00 a.m. - 11:40 a.m. in Room 35, TCC, Fourth Floor

Sponsored by Geography Education Specialty Group, Jobs and Careers

1269: Entrepreneurship, Innovation and Sustainability (2)

10:00 a.m. - 11:40 a.m. in Meeting Room 2, Marriott, Second Floor

Sponsored by Jobs and Careers

1414: Networking: Promoting Yourself by Making Connections that Count (workshop)

12:40 p.m. - 2:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

1424: Curricular Redesign, Innovation and Action for Student Success in Changing Times (2)

12:40 p.m. - 2:20 p.m. in Room 24, TCC, First Floor

Sponsored by Geography Education Specialty Group, Jobs and Careers

1514: Working Abroad: International Job Opportunities for Geographers

2:40 p.m. - 4:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

1581: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 1 of 3)

2:40 p.m. - 4:20 p.m. in Meeting Room 12, Marriott, Third Floor

Sponsored by Jobs and Careers

1614: Careers and Collaborations: Partnerships in Archives, Data Centers, and Libraries

4:40 p.m. - 6:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

WEDNESDAY, APRIL 9

2213: Beyond Professional Development: Candid Advice for Students and Early Career Geographers from the AAG Diversity Ambassadors

10:00 a.m. - 11:40 a.m. in Room 13, TCC, First Floor

Sponsored by Jobs and Careers

2214: Career Mentoring B

10:00 a.m. - 11:40 a.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

2414: The Future of Locational Intelligence: Facilitating Student/Career Transitions

12:40 p.m. - 2:20 p.m. in Room 14, TCC, First Floor

Sponsored by Business Geography Specialty Group, Jobs and Careers

2424: Practicing Geography through Engaged Scholarship I: Undergraduate Research and Problem-Based Learning

12:40 p.m. - 2:20 p.m. in Room 24, TCC, First Floor

Sponsored by Jobs and Careers

2459: Geospatial Technologies and Geography Education in a Changing World

12:40 p.m. - 2:20 p.m. in Grand Salon H, Marriott, Second Floor

Sponsored by Geography Education Specialty Group, Jobs and Careers

2513: Practicing Geography through Engaged Scholarship II: Undergraduate Internships and Fieldwork

2:40 p.m. - 4:20 p.m. in Room 13, TCC, First Floor

Sponsored by Jobs and Careers

2514: Beyond the Ivory Tower: Applied Careers for Geographers

2:40 p.m. - 4:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers, Business Geography Specialty Group

2562: Conversations with the AAG Healthy Departments Committee and the AAG Diversity Ambassadors

2:40 p.m. - 4:20 p.m. in Florida Salon I, Marriott, Second Floor

2581: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 2 of 3)

2:40 p.m. - 4:20 p.m. in Meeting Room 12, Marriott, Third Floor

Sponsored by Jobs and Careers

2614: Ethical and Practical Implications of Internships in Geography

4:40 p.m. - 6:20 p.m. in Room 14, TCC, First Floor

Sponsored by Private/Public Affinity Group, Graduate Student Affinity Group, Jobs and Careers

JOBS & CAREERS CENTER

2621: GSAG Plenary with Rich Heyman: “Professionalization, Activism, and the GSAG”

4:40 p.m. - 6:20 p.m. in Room 21, TCC, First Floor

Sponsored by Graduate Student Affinity Group, Jobs and Careers

THURSDAY, APRIL 10

3114: Preparing Geography Students for the 21st Century Workforce (workshop)

8:00 a.m. - 9:40 a.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

3160: Geographies of Entrepreneurship

8:00 a.m. - 9:40 a.m. in Grand Salon I, Marriott, Second Floor

Sponsored by Economic Geography Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Jobs and Careers

3174: Business Geography – Applied

8:00 a.m. - 9:40 a.m. in Meeting Room 7, Marriott, Second Floor

Sponsored by Business Geography Specialty Group, Jobs and Careers

3214: Career Mentoring C

10:00 a.m. - 11:40 a.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

3260: Geographies of Entrepreneurship II

10:00 a.m. - 11:40 a.m. in Grand Salon I, Marriott, Second Floor

Sponsored by Economic Geography Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Jobs and Careers

3413: Supporting Women in Geography Across the Sub-disciplines, 2nd Annual Panel

12:40 p.m. - 2:20 p.m. in Room 13, TCC, First Floor

Sponsored by Biogeography Specialty Group, Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Jobs and Careers

3414: Successful Stand Alone Geographers (SAGEs): Strategies for Thriving as a Lone Geographer

12:40 p.m. - 2:20 p.m. in Room 14, TCC, First Floor

Sponsored by Stand-Alone Geographers Affinity Group, Jobs and Careers

3513: Strategies for Acquiring and Succeeding in Post-Doc, Faculty, or Government Positions

2:40 p.m. - 4:20 p.m. in Room 13, TCC, First Floor

Sponsored by Paleoenvironmental Change Specialty Group, Jobs and Careers

3514: The Academic Job Market for Geographers

2:40 p.m. - 4:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers, Stand-Alone Geographers Affinity Group, Community College Affinity Group

3614: Navigating an Academic Career: Opportunities and Challenges for Geographers

4:40 p.m. - 6:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers, Stand-Alone Geographers Affinity Group, Community College Affinity Group

3640: Professional and Intellectual Triage for Emerging and Early Career Scholars (A Subconference Resource Session)

4:40 p.m. - 6:20 p.m. in Room 30B, TCC, Fourth Floor

Sponsored by Jobs and Careers

FRIDAY, APRIL 11

4207: Locational Intelligence and Spatial Thinking: A Panel Discussion on the Conceptual Foundations of our Discipline

10:00 a.m. - 11:40 a.m. in Room 7, TCC, First Floor

Sponsored by Business Geography Specialty Group, Jobs and Careers

4214: Career Mentoring D

10:00 a.m. - 11:40 a.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

4281: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 3 of 3)

10:00 a.m. - 11:40 a.m. in Meeting Room 12, Marriott, Third Floor

Sponsored by Jobs and Careers

4414: Integrating Careers Awareness and Preparedness into the Geography Curriculum

12:40 p.m. - 2:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

4433: What Do Contemporary Geography Student Teachers Need to Know and How Should We Train Them?

12:40 p.m. - 2:20 p.m. in Room 33, TCC, Fourth Floor

Sponsored by Geography Education Specialty Group, Jobs and Careers

4512: Publishing, not Perishing: A Student's Guide to Academic Publishing

2:40 p.m. - 4:20 p.m. in Room 12, TCC, First Floor

Sponsored by Graduate Student Affinity Group, Jobs and Careers

4514: You're Hired: Tips and Tricks for Impressive Resumes and Portfolios (workshop)

2:40 p.m. - 4:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

4614: Becoming a Certified GISP and Why it Matters for Your Geospatial Career (workshop)

4:40 p.m. - 6:20 p.m. in Room 14, TCC, First Floor

Sponsored by Jobs and Careers

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SPECIAL EVENTS AND MEETINGS SUMMARY

Council Meeting

Sunday, April 6, 12:00 p.m. - 7:00 p.m.
Monday, April 7, 8:00 a.m. - 6:00 p.m.
Tuesday, April 8, 8:00 a.m. - 1:00 p.m.
(Meeting Room 8, Marriott, Third Floor)

TUESDAY, APRIL 8

CaGIS Board Meeting

Tuesday, April 8, 8:00 a.m. - 5:00 p.m.
(Fred E. Fletcher, Westin Hotel, First Floor)

Historical Maps of Florida, with Tom Touchton

Tuesday, April 8, 11:50 a.m. - 12:30 p.m.
(Room 13, TCC, First Floor)

AAG Journal Editors Meeting

Tuesday, April 8, 2:40 p.m. - 4:20 p.m.
(Greco Boardroom, Marriott, Third Floor)

Journal of Geography in Higher Education Editorial Board Meeting

Tuesday, April 8, 4:40 p.m. - 6:20 p.m.
(Florida Salon I-III, Marriott, Second Floor)

AAG Opening Session and Presidential Plenary

Tuesday, April 8, 6:30 p.m. - 8:00 p.m.
(Grand Salon E, Marriott, Second Floor)

WEDNESDAY, APRIL 9

AAG Journal Editors and Ed. Boards Meeting

Wednesday, April 9, 8:00 a.m. - 9:40 a.m.
(Florida Salon V, Marriott, Second Floor)

AAG Department Chairs' Symposium: Innovations in Master's Programs

Wednesday, April 9, 8:00 a.m. - 11:40 a.m.
(Florida Salon VI, Marriott, Second Floor)

Geographic Analysis Editorial Board Meeting

Wednesday, April 9, 11:30 a.m. - 1:30 p.m.
(Augustus Steele, Westin Hotel, First Floor)

AAG Department Chairs' Luncheon

Wednesday, April 9, 11:40 a.m. - 2:00 p.m.
(Florida Salon VI, Marriott, Second Floor)

AAG Specialty and Affinity Group Chairs' Meeting

Wednesday, April 9, 11:40 a.m. - 12:50 p.m.
(Florida Salon V, Marriott, Second Floor)

AAG Honorary Geographer Award: Warren Washington

Wednesday, April 9, 11:45 a.m. - 12:45 p.m.
(Ballroom D, TCC, First Floor)

Territory, Politics, Governance Annual Lecture

Wednesday, April 9, 11:50 a.m. - 12:30 p.m.
(Grand Salon E, Marriott, Second Floor)

Geography and Militarism: Session 1

Wednesday, April 9, 12:40 p.m. - 2:20 p.m.
(Ballroom D, TCC, First Floor)

Geography and Militarism: Session 2

Wednesday, April 9, 2:40 p.m. - 4:20 p.m.
(Ballroom D, TCC, First Floor)

Federal Agency GIS Leaders Spotlight

Wednesday, April 9, 4:40 p.m. - 6:20 p.m.
(Florida Salon IV, Marriott, Second Floor)

The 2014 Antipode Lecture: Zones of Black Death: Institutions, Knowledges, and States of Being

Wednesday, April 9, 4:40 p.m. - 6:20 p.m.
(Ballroom A, TCC, First Floor)

African Geographical Review - Editorial Board Meeting

Wednesday, April 9, 6:00 p.m. - 7:30 p.m.
(Florida Salon II, Marriott, Second Floor)

Antipode Reception

Wednesday, April 9, 6:20 p.m. - 8:30 p.m.
(Ballroom A, TCC, 1st Floor)

CPGIS Meeting

Wednesday, April 9, 6:30 p.m. - 9:00 p.m.
(Ballroom B, TCC, First Floor)

AAG International Reception

Wednesday, April 9, 6:30 p.m. - 8:30 p.m.
(Grand Salon E, Marriott, Second Floor)

Historical Geography - Editorial Board Meeting

Wednesday, April 9, 7:00 p.m. - 8:00 p.m.
(Meeting Room 2, Marriott, Second Floor)

Hazards, Risks and Disasters Specialty Group Business Meeting

Wednesday, April 9, 7:30 p.m. - 8:30 p.m.
(Room 21, TCC, First Floor)

Regional Development and Planning Specialty Group Business Meeting

Wednesday, April 9, 7:30 p.m. - 8:30 p.m.
(Room 22, TCC, First Floor)

Texas State Geography Annual Reception

Wednesday, April 9, 8:00 p.m. - 10:00 p.m.
(Florida Salon VI, Marriott, Second Floor)

Africa Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 12, TCC, First Floor)

SPECIAL EVENTS AND MEETINGS SUMMARY

Asian Geography Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 15, TCC, First Floor)

Black Geographies Specialty Group - Exploration Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Florida Salon V, Marriott, Second Floor)

Climate Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 18, TCC, First Floor)

Coastal and Marine Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 20, TCC, First Floor)

Cyberinfrastructure Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 13, TCC, First Floor)

Development Geographies Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 17, TCC, First Floor)

Ethics, Justice, and Human Rights Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 11, TCC, First Floor)

Graduate Student Affinity Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 10, TCC, First Floor)

Historical Geography Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Meeting Room 12, Marriott, Third Floor)

Mountain Geography Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 19, TCC, First Floor)

Paleoenvironmental Change Specialty Group Business Meeting

Wednesday, April 9, 8:30 p.m. - 9:30 p.m.
(Room 14, TCC, First Floor)

UCLA Geography

Wednesday, April 9, 8:00 p.m. - 11:30 p.m.
(Meeting Room 8, Marriott, Third Floor)

THURSDAY, APRIL 10

Climate Specialty Group Plenary Speaker Michael Mann: Dire Predictions: Understanding Global Warming

Thursday, April 10, 10:00 a.m. - 11:40 a.m.
(Ballroom A, TCC, First Floor)

Symposium on Synergistic Advances of CyberGIS and Geography: Fostering Synergistic Advances of CyberGIS and Geography

Thursday, April 10, 10:00 a.m. - 11:40 a.m.
(Room 20, TCC, First Floor)

A Conversation on the Future of Physical Geography

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Florida Salon V, Marriott, Second Floor)

Applied Geography Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Room 8, TCC, First Floor)

China Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Room 23, TCC, First Floor)

Communication Geography Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Meeting Room 11, Marriott, Third Floor)

Energy and Environment Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Grand Salon G, Marriott, Second Floor)

Geographic Perspectives on Women Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Room 7, TCC, First Floor)

Geographies of Food and Agriculture Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Meeting Room 13, Marriott, Third Floor)

Geography Education Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Room 1, TCC, First Floor)

Human Dimensions of Global Change Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Room 39, TCC, Fourth Floor)

Polar Geography Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Meeting Room 8, Marriott, Third Floor)

SPECIAL EVENTS AND MEETINGS SUMMARY

Political Geography Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Room 19, TCC, First Floor)

Rural Geography Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Florida Salon IV, Marriott, Second Floor)

Stand-Alone Geographers Affinity Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Room 14, TCC, First Floor)

Wine Specialty Group Business Meeting

Thursday, April 10, 11:50 a.m. - 12:30 p.m.
(Meeting Room 3, Marriott, Second Floor)

Global Change and Environmental Responses in China

Thursday, April 10, 12:40 p.m. - 2:20 p.m.
(Room 22, TCC, First Floor)

Climate Change in Africa and Asia: MyCOE / SERVIR Global Fellows

Thursday, April 10, 12:40 p.m. - 2:20 p.m.
(Room 24, TCC, First Floor)

Cultural Geographies Editorial Board Meeting

Thursday, April 10, 2:20 p.m. - 4:20 p.m.
(Greco Boardroom, Marriott, Third Floor)

Author Meets Critics: Detroit: Race Riots, Racial Conflicts, and Efforts to Bridge the Racial Divide

Thursday, April 10, 2:40 p.m. - 4:20 p.m.
(Grand Salon A, Marriott, Second Floor)

Charting New Opportunities: Social Environment & Health Research

Thursday, April 10, 2:40 p.m. - 4:20 p.m.
(Florida Salon VI, Marriott, Second Floor)

Environment and Planning a Forum: After Neoliberalism? The Kilburn Manifesto

Thursday April 10, 4:40 p.m. - 6:20 p.m.
(Grand Salon A, Marriott, Second Floor)

US National Committee to ICA Meeting

Thursday, April 10, 4:40 p.m. - 6:20 p.m.
(Augustus Steele, Westin Hotel, First Floor)

IJURR 2014 Lecture: Urban Poverty, Space and Sociability: A Contribution from Brazilian Cities

Thursday, April 10, 4:40 p.m. - 6:20 p.m.
(Ballroom A, TCC, First Floor)

A Tribute to Roger Tomlinson (1933 – 2014)

Thursday April 10, 4:40 p.m. - 6:20 p.m.
(Ballroom D, TCC, First Floor)

Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception

Thursday, April 10, 4:40 p.m. - 6:20 p.m.
(Meeting Room 23, TCC, First Floor)

Korea-America Association for Geospatial & Environmental Services

Thursday, April 10, 6:30 p.m. - 8:00 p.m.
(Meeting Room 30 B, TCC, Fourth Floor)

AAG Past President's Address: Thinking Geographically: Globalizing Capitalism, and Beyond

Thursday, April 10, 6:30 p.m. - 7:30 p.m.
(Grand Salon E, Marriott, Second Floor)

Bible Geography Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 7, TCC, First Floor)

Biogeography Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 12, TCC, First Floor)

Canadian Studies Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Meeting Room 12, Marriott, Third Floor)

Cryosphere Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 22, TCC, First Floor)

Disability Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 5, TCC, First Floor)

Economic Geography Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 14, TCC, First Floor)

Environmental Perception and Behavioral Geography Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 4, TCC, First Floor)

European Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 30B, TCC, Fourth Floor)

Geographic Information Science and Systems Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 11, TCC, First Floor)

Geography of Religions and Belief Systems Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 9, TCC, First Floor)

SPECIAL EVENTS AND MEETINGS SUMMARY

Geomorphology Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 19, TCC, First Floor)

Indigenous Peoples Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 16, TCC, First Floor)

Latin America Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Meeting Room 7, Marriott, Second Floor)

Military Geography Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 13, TCC, First Floor)

Recreation, Tourism and Sport Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 15, TCC, First Floor)

Remote Sensing Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 37, TCC, Fourth Floor)

Retired Geographers Affinity Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 39, TCC, Fourth Floor)

Russian, Central Eurasian and East European Specialty Group Business

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 18, TCC, First Floor)

Urban Geography Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 10, TCC, First Floor)

Water Resources Specialty Group Business Meeting

Thursday, April 10, 7:30 p.m. - 8:30 p.m.
(Room 17, TCC, First Floor)

CaGIS Members Meeting and Awards Presentation

Thursday, April 10, 7:30 p.m. - 9:00 p.m.
(Garrison's, Westin Hotel, Second Floor)

SUNY-Buffalo Gathering for Alumni and Friends

Thursday, April 10, 8:00 p.m. - 11:00 p.m.
(Meeting Room 9, Marriott, Third Floor)

KSU - KU Geography Reception

Thursday, April 10, 8:00 p.m. - 11:00 p.m.
(The Landing, TCC, Second Floor)

Business Geography Specialty Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Room 37, TCC, Fourth Floor)

Cultural and Political Ecology Specialty Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Room 17, TCC, First Floor)

Ethnic Geography Specialty Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Room 11, TCC, First Floor)

Landscape Specialty Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Meeting Room 12, Marriott, Third Floor)

Middle East Specialty Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Room 10, TCC, First Floor)

Private / Public Affinity Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Room 13, TCC, First Floor)

Sexuality and Space Specialty Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Room 14, TCC, First Floor)

Transportation Geography Specialty Group Business Meeting

Thursday, April 10, 8:30 p.m. - 9:30 p.m.
(Room 15, TCC, First Floor)

The Ohio State University - Geography Department Reception

Thursday, April 10, 9:00 p.m. - 12:00 a.m.
(Florida Salon II-III, Westin Hotel, Second Floor)

FRIDAY, APRIL 11

National Geographic Geography Intern Program

Friday, April 11, 7:30 a.m. - 9:00 a.m.
(Waterside Grill, Marriott)

International Encyclopedia of Geography Editors' Meeting

Friday, April 11, 8:00 a.m. - 10:00 a.m.
(Florida Salon VI, Marriott, Second Floor)

Late Breaking News Session: Crisis in Ukraine: Background and a Report from Kyiv

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Room 13, TCC, First Floor)

Animal Geography Specialty Group Business Meeting

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Room 30B, TCC, Fourth Floor)

Community College Affinity Group Business Meeting

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Room 1, TCC, First Floor)

SPECIAL EVENTS AND MEETINGS SUMMARY

Cultural Geography Specialty Group Business Meeting

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Room 17, TCC, First Floor)

Health and Medical Geography Specialty Group Business Meeting

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Meeting Room 6, Marriott, Second Floor)

History of Geography Specialty Group Business Meeting

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Room 34, TCC, Fourth Floor)

Population Specialty Group Business Meeting

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Room 23, TCC, First Floor)

Spatial Analysis and Modeling Specialty Group Business Meeting

Friday, April 11, 11:50 a.m. - 12:30 p.m.
(Room 20, TCC, First Floor)

AAG Long-range Plan

Friday, April 11, 12:40 p.m. - 2:20 p.m.
(Meeting Room 11, Marriott, Third Floor)

Ecosystem and Land Cover Mapping Approaches at Regional and Global Scales

Friday, April 11, 12:40 p.m. - 2:20 p.m.
(Room 11, TCC, First Floor)

GISSG Reception

Friday, April 11, 4:30 p.m. - 6:30 p.m.
(The Landing, TCC, Second Floor)

Transactions in GIS Plenary

Friday, April 11, 4:40 p.m. - 6:20 p.m.
(Ballroom A, TCC, First Floor)

Roepke Lecture in Economic Geography

Friday, April 11, 4:40 p.m. - 6:20 p.m.
(Ballroom D, TCC, First Floor)

Roepke Reception

Friday, April 11, 6:20 p.m. - 8:00 p.m.
(Ballroom D, TCC, First Floor)

AAG Atlas Award: Julian Bond: Race around the World

Friday, April 11, 6:30 p.m. - 8:00 p.m.
(Grand Salon E, Marriott, Second Floor)

AAG World Geography Bowl

Friday, April 11, begins at 7:00 p.m.
(Rooms 21-23 & Ballroom B, TCC, First Floor)

Cartography Specialty Group Business Meeting

Friday, April 11, 7:30 p.m. - 8:30 p.m.
(Room 17, TCC, First Floor)

Qualitative Research Specialty Group Business

Friday, April 11, 8:30 p.m. - 9:30 p.m.
(Room 12, TCC, First Floor)

Socialist and Critical Geography Specialty Group Business Meeting

Friday, April 11, 8:30 p.m. - 9:30 p.m.
(Room 11, TCC, First Floor)

Study of the American South Specialty Group Business Meeting

Friday, April 11, 8:30 p.m. - 9:30 p.m.
(Room 37, TCC, Fourth Floor)

SATURDAY, APRIL 12

AAG Awards Luncheon

Saturday, April 12, 11:50 a.m. - 2:00 p.m.
(Ballroom 1, Westin Hotel, First Floor)

AAG Business Meeting

Saturday, April 12, 2:30 p.m. - 3:40 p.m.
(Joseph B. Lancaster, Westin Hotel, First Floor)

Rowman
AD

SPECIAL DISPLAY

Landscape Photography Exhibition

This Exhibit will be open during the following hours:

Thursday, April 10, 9:30 a.m. - 5:30 p.m.

Friday, April 11, 9:30 a.m. - 1:30 p.m.

Room: West Hall, located in the Tampa Convention Center (TCC) on the Third Floor

The Landscape Photography Exhibit has been part of Cultural Geography Specialty Group programming since the AAG's 2009 Annual Meeting in Las Vegas. In its five years, the exhibit has showcased photographs (with short descriptive captions) from both fieldwork and also more everyday encounters with cultural landscapes. Unique at the Annual Meeting, the CGSG's Landscape Photography Exhibit provides geographers the opportunity to share images and stories that perhaps receive less attention in their paper presentations and panel comments. Approved submissions will be displayed in the AAG's Exhibit Hall.

Penguin AD

NEWCOMERS'

Welcome to the AAG's Annual Meeting!

This guide has been created by representatives of the Graduate Student Affinity Group (GSAG) and AAG staff to introduce you to the meeting and help you make the most of it. If you have questions that are not answered here, come by the AAG Booth or Registration Desk for assistance.

General Tips

Manage your schedule. This is the largest geography conference in the world, so you'll find no shortage of activities that reflect your interests. With so much going on, you can't possibly do it all. Consider making a daily agenda to print or transfer to a smartphone and keep your conference program handy to confirm session details. For examples of itineraries, please visit http://www.aag.org/annualmeeting/about_the_meeting/guide_for_newcomers

Download AAG's Mobile APP - a smartphone application that allows attendees to search the program for sessions, events, and other pertinent conference information.

Prioritize your activities. Search the online or printed conference program to identify topics, speakers, and sessions of interest. High-profile activities include plenary talks, keynote addresses, and session tracks organized around the featured themes of each conference.

Be flexible. Don't schedule your time so rigidly that you have to miss out on unexpected opportunities, such as a last-minute opening for an exciting field trip or a spontaneous conversation with a promising new contact. Refer to the daily Geograms to stay informed of any important announcements, cancellations, scheduling changes, or room location updates.

Get out of your comfort zone. The Annual Meeting is a great opportunity to explore a facet of the discipline that has piqued your curiosity or to become acquainted with a topic or technique that is completely new to you. Each specialty group (SG) highlights one session that showcases its focus, so these presentations are especially helpful for getting introduced to a new area of interest.

Pace yourself! Rest up so you can fully appreciate the conference's offerings. Be sure to set aside time to explore the city, make new contacts, and reconnect with friends and acquaintances as these can be valuable learning and professional development experiences. Lunch breaks are brief and conference facilities can get quite busy during these times, so consider having a snack and beverage on hand.

Dress for success. "Business casual" attire is appropriate for all conference events. Indoor temperatures can vary; consider wearing layers or carrying a light sweater or jacket. You might need to walk short distances between conference venues, so comfortable footwear is recommended.

Session Types

Paper sessions: Each presenter speaks for 15-20 minutes including Q&A. You are not required to submit a copy of your paper.

Panel sessions: After preliminary comments, the panelists engage in a discussion with Q&A from the audience.

Poster sessions: Presenters are available to discuss their posters for the duration of the session.

Illustrated paper sessions: Presenters give brief talks about their posters. Afterwards, attendees can get a closer look and ask questions.

Plenary sessions: Several plenary sessions featuring highly distinguished speakers are hosted by the AAG, and some specialty groups organize topical plenary talks.

"Author meets critics" sessions: Audience members and panelists comment on a book and discuss it with its author.

Session Participation Tips

Leave and enter quietly if you come or go during a session. If the room is full, find a seat on the floor or stand in the back.

Check out the room before you present, if you can.

Bring your presentation in two formats in case a computer can't read your file.

Introducing yourself to your co-presenters is a good way to network and make connections.

Be respectful of time limits and come well-prepared, having thoroughly rehearsed your presentation. You never know who might be in the audience, so be sure to put your best foot forward!

Consider taking some "time off" before your session to maintain your focus and steady any last-minute jitters.

Bring a few printed copies of your paper or presentation notes to share with audience members or new contacts.

As a presenter, it is polite to stay for the entire session.

Networking Tips

If networking with specific people is high on your list of priorities, try to attend their sessions, or email them ahead of time with a request to connect during the meeting.

Carry business cards to give to new contacts.

Conference badges include participants' affiliations, so keep an eye out for representatives of organizations or departments of interest to you. Badge ribbons will alert you to attendees' roles at the meeting and within the association.

GUIDE



AAG 2014
TAMPA

If you attend an excellent talk, or if you have to miss a session of interest, consider following up with the presenter(s) after the meeting by phone or email. Many presenters are willing to share a copy of their presentation or paper upon request.

If you are a shy or introverted person, try a field trip or specialty group activity to meet new people in a smaller group and a more relaxed, informal setting. The "buddy system" is a good strategy for being comfortable at events and activities where you might not already know other participants.

Events and Activities

Field trips and workshops: The program lists numerous opportunities to explore the city and surrounding regions with knowledgeable guides and to participate in workshops on a variety of topics. Advance registration and a fee are required for most field trips and workshops. Sign up early; these fill quickly. To inquire about availability or to register, visit the On-Site Registration Booth.

Exhibit Hall: The Exhibit Hall is a good place to mingle while browsing the booths of exhibitors and vendors, including major geography journal and book publishers. Books and journals are offered for sale and are often discounted for conference attendees. Some exhibitors conduct demonstrations, informal classes, and book receptions at various times during the conference. See the conference program and watch for announcements with further details.

Jobs & Careers Center: The Jobs & Careers Center, located in Rooms 13 and 14 of the Tampa Convention Center (TCC), offers career advice, job postings, resources, and networking opportunities for professionals, students, and job seekers. Stop by the Jobs & Careers Information Booth for a schedule of activities and information about careers and professional development activities that will occur throughout the meeting.

Specialty and Affinity Group meetings: Even if you are not yet a member, consider attending a specialty/affinity group business meeting. Although these are not informational sessions, they offer the chance to learn more about the group's activities and to meet others who share your research interests. Most groups have student representatives on their boards of directors, so getting involved is an excellent way to gain experience and develop your professional network.

Join listservs and AAG Knowledge Communities to receive announcements about other social activities and events.

Special Events

The AAG hosts a large International Reception where you can connect with friends and colleagues and meet new people. This year's event takes place on Wednesday, April 9, starting at 6:30PM in the Grand Salon E, Marriot. Free drink tickets are included in your registration packet.

Many academic departments and specialty/affinity groups hold their own receptions, which are great networking opportunities. See the program and bulletin boards for details.

Winners of student awards and recipients of AAG honors are recognized at the Awards Luncheon, held on the last day of the conference. Tickets can be purchased at On-Site Registration.

The World Geography Bowl is a round-robin tournament featuring student teams from the AAG's regional divisions. It kicks off at 7:00 pm on Friday, April 11 in Rooms 21-23 and Ballroom B of the Tampa Convention Center.

Planning Ahead for Chicago 2015

Register for next year's Annual Meeting as early as possible to take advantage of discounted rates. If you plan to present at the Annual Meeting, remember that abstracts are due several months in advance.

Many specialty groups give awards for outstanding student papers and posters presented during the Annual Meeting. Details vary by specialty group and may be posted on specialty group websites, AAG Knowledge Communities, and in the *AAG Newsletter*.

The AAG provides a subsidy to registered conference attendees for qualified child care expenses incurred during the meeting.

Students and unemployed/underemployed geographers who are AAG members may apply to serve as conference volunteers to help offset their registration costs.

Further information about all of the above and much more is available at: www.aag.org/annualmeeting.

Events for Newcomers

AAG Booth

Visit the AAG Booth (Second Floor West Lobby, TCC) if you have more questions during the conference.

Mentoring Sessions

*Drop-in advising for all conference attendees, with an emphasis on answering questions about careers
(Jobs & Careers Center, Room 14, TCC)*

Tuesday-Friday, April 8-11
10:00-11:40 am

Welcome to the AAG Annual Meeting! Navigating & Making the Most of the Conference

*An orientation panel for first-time and newish attendees
(Jobs & Careers Center, Room 14, TCC)*

Tuesday, April 8
8:00-9:40 am

WORKSHOPS

NOTE: You must visit the AAG Registration Desk to sign up for a Workshop.

MONDAY, APRIL 7

WS #0-1 GIS Specialty Group Workshop

Monday, April 7, 9:00 a.m. - 4:00 p.m.

Organizers: Diane Carducci and Ningchuan Xiao - Ohio State University Department of Geography

Instructor: Daniel Sui, Ohio State University Department of Geography

Capacity: 30

Cost/person: FREE

Sponsor: The Journal of Geography Analysis

Room: Fred E Fletcher, Westin Hotel, First Floor

The primary goal of this workshop is to bring together researchers from academia, industry, and government agencies to discuss the new opportunities and set the agenda for Open GIS research and education in light of new advances during the past five years.

WS #0-2 Geography of Networks

Monday, April 7, 9:00 a.m. - 4:00 p.m.

Organizers/Instructors: Pierre-Alexandre Balland and Andrea Morrison, URU – Utrecht University

Capacity: 40

Cost/person: \$44

Room: Augustus Steele, Westin Hotel, First Floor

Network studies are becoming increasingly popular in geography, both as an object of study and as an analytical tool. Network studies focus on the connections between actors, animals, firms or cities as the main unit of analysis to understand patterns of complex economic, social or ecological systems. This workshop seeks to train PhD students or senior researchers interested in applying network theories and tools to their research in geography (with a particular focus - but not limited to - human geography). Participants will learn to identify the key properties of network structures and the main drivers of their formation.

TUESDAY, APRIL 8

WS #1-1 Spatial Statistical Methods for Georeferenced Data

Tuesday, April 8, 8:00 a.m. - 4:00 p.m.

Organizers/Instructors: Daniel A. Griffith, Yongwan Chun, The University of Texas at Dallas

Capacity: 25

Cost/person: \$73

Room: Grand Salon A, Marriott, Second Floor

This tutorial presents a combination of conceptual and practical material, and is designed to deliver spatial statistical concepts and methods for research concerning georeferenced data analyses in conjunction with regional science through an

integrated set of lectures and lab exercises. Discussion will focus on fundamental concepts of spatial and geo- statistics, as well as selected recent developments. Topics within the context of statistical analysis to be covered include: spatial autocorrelation, spatial sampling, spatial auto- and semivariogram models, eigenvector spatial filtering, and spatial missing value data imputation. Lab exercises, with case studies using example datasets, demonstrate implementations of conceptualizations in R, which is an open source statistical computation language and environment. Selected supplemental SAS code implementations also will be discussed.

WS #1-2 Hands on GPS/GIS Data Collection on Smart Phones

Tuesday, April 8, 9:00 a.m. - 12:00 p.m.

Organizer/Leader: Ashok Wadwani, AFDS

Capacity: 25

Cost/person: \$25

Room: Ballroom B, TCC, First Floor

As the use of smart phones is increasing, geographers want to use the smart phones as a data collection tool. The HANDS ON WORKSHOP will allow attendees to create and use their own data dictionary and use their smart phone to collect GPS/GIS data outdoors (weather permitting). Once data is collected, it will be downloaded in a cloud and accessed from a PC and various output formats such as CSV, SHAPE AND GOOGLE Earth files created for further analysis.

WS #1-3 Making Spatial Decisions Using GIS and Remote Sensing

Tuesday, April 8, 10:00 a.m. - 11:40 a.m.

Organizer: Angela Lee, Esri

Instructor: Kathryn Keranen, James Madison University

Capacity: 50

Cost/person: FREE

Room: Ballroom C, TCC, First Floor

Imagery is an increasingly important source of information for governments, land managers, scientists, and others who make spatial decisions. This workshop will show how to connect remote sensing techniques with GIS analysis using ArcGIS for Desktop. We will examine common workflows for using satellite imagery, such as classification and change detection. We will also discuss considerations for using project-based learning to cultivate students' critical thinking skills as well as GIS skills.

WORKSHOPS

WS #1-4 Networking: Promoting Yourself by Making Connections that Count

Tuesday, April 8, 12:40 p.m. - 2:20 p.m.

Organizer: Niem Huynh, AAG

Instructors: Angela Rogers, Penn State & Rachel Kornak, GeoPivot

Capacity: 20

Cost/person: FREE

Room: Job Center, Room 14, TCC, First Floor

This workshop features the art of networking with a focus on how to develop an effective and memorable "elevator pitch," and what this promotional sound bite about yourself sounds like to prospective employers in different scenarios. The facilitators will guide participants through an interactive workshop to develop and practice your networking skills on how to: creatively introduce yourself, develop and deliver a dynamic "elevator pitch," how to efficiently "work" a room to make connections with key people, and learn questions to ask to keep conversations moving. The activities will be followed by a debriefing and time for Q&A. *Attendance is first-come, first-served and will be capped at 20 participants.*

WS #1-5 Teaching ArcGIS Online

Tuesday, April 8, 12:40 p.m. - 2:20 p.m.

Organizer: Angela Lee, Esri

Instructor: Geri Miller, Esri

Capacity: 50

Cost/person: FREE

Room: Ballroom C, TCC, First Floor

This workshop explores how ArcGIS Online can be used in introductory GIS classes. The workshop will start with an introduction to ArcGIS Online and will review the options for hosting and sharing geographic content. Attendees will learn best practices for creating web maps and web mapping applications using some of the available web mapping templates. Administration of ArcGIS Online will be covered, including managing subscription accounts, types of accounts, creation of groups, interface modification and various other administrative tasks.

WS #1-6 Sharing Web Maps and GIS Data With the ArcGIS Platform

Tuesday, April 8, 2:40 p.m. - 4:20 p.m.

Organizer: Angela Lee, Esri

Instructor: Geri Miller, Esri

Capacity: 50

Cost/person: FREE

Room: Ballroom C, TCC, First Floor

There are many available options for sharing geographic content. This workshop will provide an overview of publishing geographic data to ArcGIS Online, ArcGIS for Server, or Portal for GIS. These three sharing options will be examined – by themselves as well as how they work together – to make

information accessible to everyone. The workshop will also cover higher level capabilities such as web editing, geocoding, sharing imagery and sharing analysis workflows with end users. Emphasis will be placed on how to teach these sharing options in the classroom.

WS #1-7 Walking the Tightrope: The Search for Practical Ways to Advance Women's Careers in Geography

Tuesday, April 8, 3:00 p.m. - 6:00 p.m.

Organizers: Patricia Solis, AAG and Libby Wentz, Arizona State University

Instructors: Amy Glasmeier, MIT, John Harrington, Jr., Kansas State University, and Lesley Rigg, Northern Illinois University

Capacity: 35

Cost/person: \$12

Room: Ballroom B, TCC, First Floor

Women's salaries and promotion opportunities continue to fail to keep pace on average with their male counterparts in academia, public, and private sectors, and this reality persists within the discipline of geography as well. While some point to possible lack of negotiation readiness as one contributing factor, others recognize that women may face negative consequences for "leaning in" within some contexts. How can female geographers strike a balance to promote their career advancement whether in favorable or less than ideal institutional contexts? This workshop is designed to promote the professional development of women geographers and engage those who are interested in women's professional development in geography. Discussions, advice, and interactive activities will explore three practical themes of importance for employment, tenure, promotion, and career advancement: 1) Your voice heard; 2) Sitting at the table; and 3) Negotiating.

WEDNESDAY, APRIL 9

WS #2-1 Spatial Analysis in ArcGIS

Wednesday, April 9, 10:00 a.m. - 11:40 a.m.

Organizer: Angela Lee, Esri

Instructor: Linda Beale, Esri

Capacity: 50

Cost/person: FREE

Room: Ballroom B, TCC, First Floor

Update description to: Analyzing data spatially can reveal new information. Using ArcGIS, we will explore many of the different approaches available for spatial analysis, looking at the types of solutions the approaches can provide, understanding when techniques may be appropriate and what assumptions should be met. The workshop will include a number of statistical and geostatistical approaches for spatial analysis giving an overview of statistical descriptors, proximity analysis, distributions and comparisons and, surface and interpolation analysis. Some tips and tricks will be also demonstrated to give a better understanding of what is available and how you can advance your analysis endeavors.

WORKSHOPS

WS #2-2 Making Great Web Maps With ArcGIS

Wednesday, April 9, 2:40 p.m. - 4:20 p.m.

Organizer: Angela Lee, Esri

Instructor: Ken Field, Esri

Capacity: 50

Cost/person: FREE

Room: Ballroom B, TCC, First Floor

The workshop will focus on how you can harness the ArcGIS Platform to design high quality thematic maps that tell great stories. You'll explore a range of approaches for authoring thematic maps in ArcGIS for Desktop and ArcGIS Online; prepare data appropriately; select effective thematic map types; and be aware of design considerations to make informative, compelling information products. You'll explore map design and also think of how we modify the map to take advantage of interactivity, popups and multi-scale environments. The workshop will consider the requirements for making great web maps and apps that bring your data to life.

WS #2-3 Writing Successfully for the Journal of Geography in Higher Education

Wednesday, April 9, 4:40 p.m. - 6:20 p.m.

Organizers/Instructors: Derek France, University of Chester & Robert Bednarz, Texas A&M University

Capacity: 40

Cost/person: \$7

Room: Ballroom C, TCC, First Floor

After discussing the mission of the Journal of Geography in Higher Education (JGHE), the organizers will explain the submission, review, and publication processes of the JGHE. Topics will include the nature of material appropriate for submission, the types and level of evidence necessary to support findings, the recommended length of manuscripts, advice about writing for an international readership, and JGHE's citation index. Prospective authors will be encouraged to interact with panelists through an interactive paper review session and to discuss issues specific to manuscripts they are planning or writing.

WS #2-4 LiDAR Processing and Terrain Analysis in Global Mapper

Wednesday, April 9, 2:00 p.m. - 4:00 p.m.

Organizers/Instructors: David McKittrick, Blue Marble Geographics

Capacity: 30

Cost/person: \$9

Room: Ballroom C, TCC, First Floor

In recent years, high-resolution elevation data has become increasingly available, resulting in more precise analytical tools. Much of this trend can be attributed to the expanded availability of LiDAR datasets and the development of inexpensive software tools that can utilize this data. In this workshop, we will explore the LiDAR processing capability of Global Mapper from Blue Marble Geographics (Exhibit Hall Booth 601). We will

demonstrate how to import, filter, and edit point cloud data; we will create 3D terrain surfaces, generate contours, and delineate watershed and view sheds models; and we will demonstrate terrain modification and cut and fill volume calculation techniques.

THURSDAY, APRIL 10

WS #3-1 Preparing Geography Students for the 21st Century Workforce

Thursday, April 10, 8:00 a.m. - 9:40 a.m.

Organizer: Niem Huynh, AAG

Instructors: Michael Solem, AAG & Joseph Kerski, Esri

Capacity: 30

Cost/person: FREE

Room: Job Center, Room 14, TCC, First Floor

Despite rapidly evolving and expanding employment opportunities, many students are unfamiliar with the numerous career paths for which a degree in geography can prepare them. Using the recent AAG publication *Practicing Geography: Careers for Enhancing Society and the Environment* (Pearson 2013) as a resource, the workshop facilitators -- who are contributing authors to the book -- will introduce participants to a series of classroom activities that have been designed to raise students' awareness of employment prospects for geographers and to help them recognize and articulate the value of their geography training to potential employers. The participants will then break into small groups to brainstorm ideas for adapting these exercises to the specific needs of students at their grade level and institution type. This workshop is suitable for educators at all grade levels and career stages. *Attendance is first-come, first-served and will be capped at 30 participants.*

WS #3-2 Detecting Clusters of Adverse Health Outcomes using SaTScan™

Thursday, April 10, 8:30 a.m. - 12:00 p.m.

Organizers/Instructors: Thomas Talbot and Francis Boscoe, NYS Department of Health

Capacity: 35

Cost/person: \$14

Room: Ballroom B, TCC, First Floor

This hands-on workshop will provide an introduction to SaTScan™ software (<http://www.satscan.org>). SaTScan™ is free and has been widely used to perform geographical surveillance of a variety of adverse health outcomes by detecting spatial and space-time clusters and assessing the statistical significance. Participants will learn the statistical principles behind the method, how to properly format their data, and how to display the results in a GIS or Google map. The workshop will use fine scale birth outcome and cancer data. Participants will need to bring their own laptop computers. The software, sample data and training materials will be provided.

WORKSHOPS

WS #3-3 Preparing a GeoCapable Student for the 21st Century

Thursday, April 10, 10:00 a.m. - 11:40 p.m.

Organizer: Michael Solem, AAG

Instructors: David Lambert, Institute of Education, London;

Sirpa Tani, University of Helsinki

Capacity: 25

Cost/person: FREE

Room: Job Center, Room 14, TCC, First Floor

This workshop will introduce the “capabilities approach” to teacher preparation and curriculum making in geography. Participants will review the findings of collaborative research between the Association of American Geographers (AAG), the Institute of Education in London and the University of Helsinki and learn how to apply the capabilities approach for geography curriculum making and teacher preparation.

WS #3-4 Creating Surfaces and Interpolation in ArcGIS

Thursday, April 10, 10:00 a.m. - 11:40 a.m.

Organizer: Angela Lee, Esri

Instructor: Linda Beale, Esri

Capacity: 50

Cost/person: FREE

Room: Ballroom C, TCC, First Floor

In this workshop will look at a number of different of approaches for creating continuous surfaces available in ArcGIS. We will look at the assumptions that should be met with different interpolation methods and understand how to choose an appropriate technique. Exploring and understanding our data prior to analysis is crucial to effective analysis. Through demonstration, we will explore many of the different available parameters and cover some tips and tricks for effective analysis. Finally, we will look at the importance of evaluating the quality of the modeled surface.

WS #3-5 OpenStreetMap (OSM) in the Classroom

Thursday, April 10, 1:00 p.m. - 4:00 p.m.

Organizers/Instructors: Nuala Cowan and Richard Hinton; The

George Washington University Department of Geography

Capacity: 20

Cost/person: Check at Registration Desk

Room: Ballroom B, TCC, First Floor

Nuala Cowan & Richard Hinton of the Geography department regularly integrate the open source mapping platform, OpenStreetMap (OSM) into the curriculum for their introductory undergraduate Geographical Information Systems (GIS) & Cartography classes. In a service learning collaboration with both local & international partners (e.g. American Red Cross 2012, USAID 2014), GW Geography students use high-resolution satellite imagery to trace road and building infrastructure data that is subsequently used to support disaster preparedness efforts. During this workshop they will demonstrate this training program, which will incorporate hands-

on mapping in the OSM environment. They would like to see other university instructors replicate their mapping assignment for their particular discipline and curricular needs. Mapping has applicability across many fields and communities of interest, and can used to document, archive, plan and contribute to both local and international initiatives.

FRIDAY, APRIL 11

WS #4-2 Wine Tasting of Little Known Grapes of Campania, Italy

Friday, April 11, 3:00 p.m. - 6:00 p.m.

Organizer/Leader: Percy H. Dougherty, University of

Pennsylvania

Capacity: 23

Cost/person: \$22

Room: Meeting Room 8, Marriott, Third Floor

The wines of Campania, the region surrounding Naples and Pompeii, are Southern Italy's most interesting, because they are made from native varieties. This area has a long wine tradition dating back to the Phoenicians, Greeks and Romans. Campania's grapes are not grown successfully elsewhere because of the the region's unique soils and climate. Campania produces 17 DOC wines, and three DOCG wines: the red Taurasi, the white Greco di Tufo, and the white Fiano di Avellino. Taste white grape varieties including Falanghina, Coda di Volpe, Fiano, and Greco; and red varieties including Piediroso, Pallagrello Nero, Aglianico, Sciascinoso, and Cassavechia.

WS #4-5 You're Hired - Tips & Tricks for Impressive Resumes & Portfolios

Friday, April 11, 2:40 p.m. - 4:20 p.m.

Organizer/Leader: Rachel Kornak, University of Southern

California, Penn State & GeoPivot Magazine

Capacity: 30

Cost/person: FREE

Room: Job Center, Room 14, TCC, First Floor

Want to stand out from the crowd when applying for jobs and internships? The difference between hearing “you’re hired” and “better luck next time” hinges on your ability to communicate your value. Learn how to create impressive personal marketing materials (cover letters, resumes and portfolios) using free, online tools like ArcGIS Online (interactive maps), Prezi (zoomable presentations), Jing (screen videos and images) überflip (flippable PDFs), and Weebly (websites). We’ll also cover the types of skills and experiences employers are looking for, how to demonstrate you have these desired traits, and how to avoid common pitfalls. Please bring your laptop!

<http://meridian.aag.org/callforpapers/program/SessionDetail.cfm?SessionID=19424>

WORKSHOPS

WS #4-6 Becoming a Certified GISP and Why It Matters for Your Geospatial Career

Friday, April 11, 4:40 p.m. - 6:20 p.m.

Organizer: Jean McKendry, AAG

Instructor: Bill Hodge & Rachel Kornak, GISP

Capacity: 30

Cost/person: \$5

Room: Job Center, Room 14, TCC, First Floor

The GISCI Certification Program for GIS Professionals, launched in 2004, is a recognition program for established GIS professionals. This workshop will provide 1) an overview of the Program and advantages of certification, 2) information about the addition of an examination component to the current portfolio-based system in 2015, and 3) hands-on guidance and Q&A related to strategies for preparing an application to become certified as a GISP. Attendees will be encouraged to ask questions about documentation and requirements, and talk with current GISPs. GISPs who may have questions about renewing their certification are also encouraged to attend (<http://www.gisci.org>).

SATURDAY, APRIL 12

WS #6-1 AP Human Geography Teacher's Workshop

Saturday, April 12, 8:00 a.m. - 1:30 p.m.

Organizers: Barbara Hildebrant and Jon Moore, ETS

Instructors: Rick Gindele, Cherry Creek High School; Don Zeigler, Old Dominion University; Lillian Monk, Walter Johnson High School; Lisa Benton-Short, The George Washington University; Max Lu, Kansas State University; Dan Berry, Morgantown High School; Robert Ostergren, University of Wisconsin; Nancy Watson, Lawton Chiles High School

Capacity: 80

Cost/person: \$15

Room: Garrison's, Westin Hotel, Second Floor

This workshop is focused on the content of the AP Human Geography course outline. The primary audience is for high school teachers who teach the course. The presenters are members of the Development Committee. The objective is to provide teachers with background in selected content areas that will benefit their students. The final two sessions will focus on review strategies for the APHG exam and resources for teachers.

Topics in content areas include:

- Models in economic geography
- Contemporary geopolitical patterns
- Urbanization in China
- Nineteenth century European trans-Atlantic migration
- Suburbanization

Esri
AD

FIELD TRIPS

Field trips will depart from the circle outside of the Tampa Convention Center on the bottom floor.

MONDAY, APRIL 7

#0-1 Geomorphology of Cedar and Seahorse Keys

Monday, April 7, 9:30 a.m. - 7:30 p.m.

Organizer/Leader: Heidi Lannon, Santa Fe College

Trip Capacity: 20

Cost/person: \$28 (includes transportation)

Sponsor: AAG Coastal and Marine Specialty Group

Seahorse Key is the highest point in the Gulf of Mexico and located off Cedar Key (2.5 hours from Tampa). The 42-ft research vessel Discovery will take participants to Seahorse Key Marine Lab where they will encounter a higher energy beachface, mangroves in the landward lee and a historic lighthouse. Nesting season ensures abundant bird life and anticipate porpoises and possibly manatees. Experience legends of the lighthouse with a local historian. Lunch will be provided by the Santa Fe College Foundation. Spend time in Cedar Key, a quaint fishing village and haunt of John D. MacDonald's Travis McGee.

TUESDAY, APRIL 8

#1-1 Canoeing Tampa's Hillsborough River

Tuesday, April 8, 8:30 a.m. - 2:00 p.m.

Organizer/Leader: Christopher F. Meindl, University of South Florida and Terry Tomalin, Tampa Bay Times

Trip Capacity: 14

Cost/person: \$100 (includes bus transportation, canoe rental and lunch)

Despite its diminutive stature of barely 54 river miles, Tampa's Hillsborough River is essentially three separate streams rolled into one: the wild and scenic mostly spring-fed headwaters portion; the suburban stretch that strains to provide Tampa drinking water; and the mostly privatized, neglected, and concrete banked urban reach. After walking about one half mile along the river to Curtis Hixon Park and commenting on Tampa's plans for (re)developing its riverfront, we will bus to Seargent Park (discussing the river's role as Tampa's primary drinking water source), board canoes at Canoe Escape, and paddle a scenic reach to Morris Bridge Park where we will cookout.

#1-2 A Visit with the Hurricane Hunters and a Tour of the NOAA WP-3D Plane

Tuesday, April 8, 10:00 a.m. - 1:00 p.m.

Organizer: Jennifer Collins, University South Florida

Leader: Jennifer Collins and Randall Hergert, University South Florida; Bryon Middlekauff, Plymouth State University; Paul Flaherty, National Oceanic and Atmospheric Administration

Trip Capacity: 24

Cost/person: \$27 (includes bus transportation)

Sponsor: AAG

On this half day field trip, participants will have a tour of the Aircraft Operations Center (AOC) at MacDill Airforce Base. The tour will include a presentation by a hurricane hunter and then guests will learn about the equipment on board the NOAA WP-3D plane as they will be able to board the plane and view the equipment and learn about how the meteorologists use it. This plane which goes through the eye of a hurricane constitute a unique resource for airborne hurricane research, and for atmospheric research in general as it is sometimes used for other missions. Afraid of heights? Don't worry we won't be leaving the hanger :)

#1-3 Florida Aquarium and Wild Dolphin Cruise

Tuesday, April 8, 12:30 p.m. - 5:00 p.m.

Organizer/Leader: Hannah Torres, University of South Florida, School of Geosciences

Leader: Kamal Alsharif, University of South Florida, School of Geosciences

Trip Capacity: 50

Cost/person: \$26 (includes admission)

From the Tampa Convention Center, participants will walk 15-20 minutes through Tampa's Channelside District to the not-for-profit Florida Aquarium. After exploring fascinating exhibits, participants will board a 72-foot catamaran to get a first-hand look at Tampa Bay, home to more than 500 bottlenose dolphins, endangered manatees and numerous bird species - all in one of the busiest deep-water ports in the Southern US! The 75-minute tour boards at 2:00 and departs promptly at 2:30. Dress comfortably; flat shoes with tread preferred, binoculars optional. Water is allowed, but no outside food. Lunch is not included; however food can be purchased at the aquarium's restaurant. Affordable lunch options are available (\$5-\$10).

#1-4 Weedon Island Preserve: An Urban Treasure

Tuesday, April 8, 3:30 p.m. - 8:00 p.m.

Organizer/Leader: Christopher F. Meindl, University of South Florida, St. Petersburg

Trip Capacity: 14

Cost/person: \$72 (includes bus transportation and canoe rental)

Archaeological evidence suggests that Native Americans inhabited what is now Weedon Island Preserve more than two thousand years ago, and the Preserve continues to host occasional archaeological research. Weedon Island also bears the scars of more recent attempts to increase water flow through this low-lying region in order to reduce the number of breeding mosquitoes. Mangrove swamps used to dominate the low energy coast from Tampa Bay down to the Florida Keys. On this trip you will learn about the region's Native American past and mangrove swamps with a 30 minute boardwalk hike and 2.5 hour canoe trip. Please note: we will be stopping for dinner, it is recommended to bring \$20-25.

FIELD TRIPS

Field trips will depart from the circle outside of the Tampa Convention Center on the bottom floor.

#1-5 Charting the Land of Flowers: 500 Years of Florida Maps

Tuesday, April 8, 1:00 p.m. - 2:00 p.m.

Organizer: Rebecca Pendergast, Association of American Geographers

Trip Capacity: 15

Cost/person: \$9

Sponsor: AAG

View this most comprehensive exhibition of Florida cartography bringing together maps from museum and library collections around the world, many of which are on view to the public for the first time. Discover that much of the earliest European exploration of North America occurred not in New England, but in Florida, while early railroad maps and travelogues show how the state became an agricultural powerhouse and America's No. 1 tourist destination. A unique and personal tour will be led by the map collector and noontime plenary speaker, Tom Touchton. When the guided exhibit tour ends, feel free to experience the rest of the museum offering even more geography and history lessons on Florida. And, dine outdoors or inside the Columbia Cafe on the first floor of the museum. The exhibit, located in the Tampa Bay History Center, is within short walking distance of the meeting hotels. Not able to attend the field trip at this time? Show your badge and save \$2 off the admission price to tour the museum on your own time.

WEDNESDAY, APRIL 9

#2-1 Cockroach Bay Ecosystem Restoration Field Trip

Wednesday, April 9, 8:00 a.m. - 1:00 p.m.

Organizers: Nicole Hutton and Shawn Landry, University of South Florida

Leaders: Brandt Henningsen, Ph.D.; SWIM Program, Southwest Florida Water Management District and Richard Sullivan; Hillsborough County

Trip Capacity: 25

Cost/person: \$36 (includes bus transportation and snack)

Hosted by the Southwest Florida Water Management District and Hillsborough County

Enjoy a narrated tour of the 500 acre Cockroach Bay Ecosystem Restoration Project, one of the premier coastal restoration efforts ever performed for Tampa Bay. The tour will highlight the restoration of uplands, freshwater wetlands, various estuarine habitats, and stormwater treatment. Participants will tour the project by "hay wagon" and also canoe several estuarine wetland restoration phases, inclusive of paddling through an adjacent relic mangrove forest and into Little Cockroach Bay. Attendees will see how a restoration site matures over time, as the multi-phased project was performed serially from 1996 to 2012, encompassing 282 acres of various estuarine/freshwater habitats and 218 acres of coastal uplands.

#2-2 Lettuce Lake Park Hardwood Swamp Forest

Wednesday, April 9, 9:30 a.m. - 1:30 p.m.

Organizer/Leader: Kamal Alsharif, University of South Florida, School of Geosciences

Trip Capacity: 50

Cost/person: \$42 (includes bus transportation and box lunch)

In this field trip you will be exploring the beautiful hardwood swamp forest next to the Hillsborough River outside the City of Tampa. Lettuce Lake is a place to study nature. Watch alligators and different types of Florida avian species. The park has a beautiful boardwalk that visitors can enjoy and explore nature. It is a place for geographers to learn more about Florida landscape and environment.

#2-3 Where Are We Drinking? The Political Ecology of Tampa Craft Brewing

Wednesday, April 9, 2:00 p.m. - 6:00 p.m.

Organizers/Leaders: Colleen Hiner, Texas State University; Toby Applegate, Rutgers University; Jessica Breen, University of Kentucky

Trip Capacity: 33

Cost/person: \$50 (includes admission fee for Tampa Bay Brew Bus)

Sponsor: AAG, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Wine Specialty Group

Great beer is impossible without great amounts of water. Tampa's geography affords geographers the opportunity to sample the intersection of its famous Floridian aquifer and its burgeoning craft beer scene. On this field trip, geographers will be able to experience this beer ecology first-hand. Tampa's own Brew Bus will guide us through four separate breweries and tap rooms for tastings and tours. Included will be safe transportation, a knowledgeable local guide, and complimentary pints of the Brew Bus' own brews between stops.

#2-4 Trip to Tropicana Field, Home of the Tampa Bay Rays

Wednesday, April 9, 9:30 a.m. - 1:00 p.m.

Organizer/Leader: Christopher Storm, Oklahoma State University

Trip Capacity: 24

Cost/person: \$28

Trip to Tropicana Field, home of Major League Baseball's Tampa Bay Rays. Tour highlights include: Gate 1 Rotunda modeled after Ebbets Field; Rays Dugout; 162 Landing; Press Box; Ted Williams Hitting Museum; the world famous Rays Touch Tank; and more. En route we will discuss the Tampa Bay area's many hits and misses at acquiring a Major League Baseball team before the Tampa Bay (Devil) Rays, in addition to an examination of the geographical obstacles to attendance at Rays home games.

FIELD TRIPS

Field trips will depart from the circle outside of the Tampa Convention Center on the bottom floor.

#2-5 Frank Lloyd Wright and the architecture of Florida Southern College

Wednesday, April 9, 12:00 p.m. - 4:00 p.m.

Organizer/Leader: Christopher F. Meindl

Trip Capacity: 26

Cost/person: \$44

Frank Lloyd Wright (1867-1959) is widely regarded as one of the most significant architects in American history. During his long career, Wright designed more than a thousand structures (more than 500 completed). The largest concentration of his work forms the basis of Florida Southern College in Lakeland, where Wright designed nearly a dozen buildings that are still used. We will bus to Florida Southern and take a campus-led tour of Wright's work at the college.

THURSDAY, APRIL 10

#3-1 Bird Walk at Lettuce Lake County Park

Thursday, April 10, 7:30 a.m. - 10:30 a.m.

Organizer: Cathy Cooper, Independent Scholar

Leader: Ann Paul, Audubon Florida

Trip Capacity: 24

Cost/person: \$35

Come join an expert birder as we look for birds in Lettuce Lake County Park in Tampa on a boardwalk along cypress-lined shorelines of the Hillsborough River. Potential sightings include White Ibis, Wood Storks, Limpkins, Roseate Spoonbills, Prothonotary and Parula warblers, Barred Owls, herons, ducks, and many other birds. An Audubon Florida staff representative will guide us. Birders of all skill levels are welcome. We'll bus from the conference about 20-30 minutes to the park. Easy walk is about a mile. Bring binoculars, hat, water, insect repellent, sunscreen.

#3-2 Celebrating Smart Growth, New Urbanism and Main Street: Disney, Profit and Suburban Spawl

Thursday, April 10, 8:30 a.m. - 3:30 p.m.

Organizer/Leader: Christopher F. Meindl, University of South Florida

Trip Capacity: 25

Cost/person: \$43 (includes bus transportation)

New Urbanism is heralded by some as an appropriate path for future urban growth. In theory, such development promotes walkability by densely packing a variety of land uses such as businesses, schools, open space, and several housing types of widely variable prices. Several Florida communities have attempted to incorporate smart growth principles, including Celebration—Disney Corporation's attempt to profit from land development adjacent to its famous central Florida theme parks. After a bus ride to Celebration, participants will tour the community on foot and discuss the promise and perhaps illusion

of new urbanism. Please note: we will be stopping for lunch, it is recommended to bring \$15-20.

#3-3 Trees in the City of Tampa: Tour of Urban Forest Management, Monitoring and Policy

Thursday, April 10, 9:00 a.m. - 12:00 p.m.

Organizer: Shawn Landry, University of South Florida

Leader: Robert Northrop, University of Florida/Hillsborough County Extension; Kathy Beck and Robert Irving, City of Tampa; Andrew Koeser and Michael Andreu, University of Florida

Trip Capacity: 25

Cost/person: \$32 (includes bus transportation, handouts)

The City of Tampa adopted a tree protection ordinance in 1974. Since that time, trees and the urban forest has been the subject of research, the target of political conflict, the pride of a community, and the object of substantial investment. This tour will highlight important issues threatening urban forest sustainability in Tampa and how these challenges have been addressed in the recently adopted City of Tampa Urban Forest Management Plan.

#3-5 Explore the Changing Place of Ybor City

Thursday, April 10, 12:00 p.m. - 4:00 p.m.

Organizer: Jeff Moates, Florida Public Archaeology Network

Leader: Jim Wilson, PhD, Ohio Northern University

Trip Capacity: 24

Cost/person: \$28 (includes lunch)

Sponsor: Florida Public Archaeology Network

Tampa's Ybor City, the multi-ethnic hub of cigar manufacturing in the late nineteenth and early twentieth centuries, is widely recognized as an important historic factory town in the urban South. From its origins as a sandy and swampy manufacturing center to a bustling ward of Tampa to a place destined for urban renewal, Ybor City has endured many changes through time. Today, Ybor City retains some of its cigar-era structures and is listed as a National Historic Landmark District. Join us for a walking tour and catered lunch where we will discuss the historic development and the challenges facing Ybor City today.

FIELD TRIPS

Field trips will depart from the circle outside of the Tampa Convention Center on the bottom floor.

#3-6a. Trip to Clearwater Beach: Explore the Sandy Beaches of Florida

Thursday, April 10, 11:00 a.m. - 9:30 p.m.

Organizer: Sovik Kumar Nath, University of South Florida,
Garrett Hyzer, University of South Florida

Leader: Kamal Alsharif, University of South Florida

Trip Capacity: See Registration Desk

Cost/person: \$36

It is suggested to bring up to \$50-\$100 for food and other activities. ATMs may not be available in the area, although most restaurants and shops should readily accept credit cards.

Clearwater Beach was awarded as Florida's best beach-town in 2013 according to reader's poll by USA Today. Located on the Gulf of Mexico around 25 miles from Tampa, the beach rests on a barrier island and is characterized by white sand that stretches for approximately 2.5 miles. The trip includes a half day travel to Clearwater where participants will find many forms of entertainment on and around the beach including the Clearwater Marine Aquarium. The water temperature in early April is typically warm enough for swimming and there are often pick-up volleyball games on the beach. In addition to the sand and water, participants can dine for lunch or dinner in any of the many walkable restaurants. There are also plenty of shops up and down the beach to browse in. Field trip participants will stay at Clearwater Beach long enough to catch the sunset, and will be bused back to Tampa shortly after.

#3-6b. Trip to Clearwater Beach: Go on a Fishing Expedition to Gulf of Mexico

Thursday, April 10, 11:00 a.m. - 9:30 p.m.

Organizer: Sovik Kumar Nath, University of South Florida,
Garrett Hyzer, University of South Florida

Leader: Kamal Alsharif, University of South Florida

Trip Capacity: See Registration Desk

Cost/person: \$100

It is suggested up to bring up to \$50-\$100 for food and other activities. ATMs may not be available in the area, although most restaurants and shops should readily accept credit cards.

Fishing in Gulf of Mexico, catching grouper and snapper and watching dolphins is an expedition of a lifetime. This trip includes four hour trip to Gulf of Mexico from Clearwater in a fishing boat. All the provisions for catching fish, license, rod and reel, bait will be provided. The visitors can buy lunch on the boat, at the beach or bring their own lunch. This trip also includes visit to Clearwater Beach, awarded as Florida's best beach-town in 2013 according to reader's poll by USA Today.

#3-7 Walking Tour of Downtown Tampa Courtesy of the Regional Development and Planning Specialty Group

Thursday, April 10, 11:00 a.m. - 1:00 p.m.

Organizers: Dave Lemberg, Western Michigan University &
George Pomeroy, Shippensburg University

Trip Capacity: 25

Cost/person: \$10

The Downtown Walking Tour is a signature annual event of the Regional Development and Planning Specialty Group. As in previous years, this tour will explore and profile notable civic landmarks, downtown planning issues, and significant planning initiatives and projects - all within walking distance of the conference venue. This year's guide will be Angela Ruth of the Tampa Downtown Partnership. The Tampa Downtown Partnership fosters Tampa's vibrant and diverse multi-use downtown neighborhoods and plays a key role in creating a 24-hour urban center where people can learn, live, work and play. Programs such as their Clean and Safe team and their transportation initiatives make accessing and navigating downtown an easy and enjoyable experience.

#3-8 Charting the Land of Flowers: 500 Years of Florida Maps

Thursday, April 10, 3:00 p.m. - 4:00 p.m.

Organizer: Rebecca Pendergast, Association of American Geographers

Trip Capacity: 15

Cost/person: \$9

Sponsor: AAG

Take a guided tour of the most comprehensive exhibition of Florida cartography bringing together maps from museum and library collections around the world, many of which are on view to the public for the first time at the Tampa Bay History Center. Marking the quincentenary of Ponce de León's 1513 landing on Florida's shores, the exhibit offers a rare opportunity to see the world as the early European explorers saw it, and to watch the peninsula that would become one of our county's most populous and diverse states evolve. Discover that much of the earliest European exploration of North America occurred not in New England, but in Florida, while early railroad maps and travelogues show how the state became an agricultural powerhouse and America's No. 1 tourist destination. When the guided exhibit tour ends, feel free to experience the rest of the museum offering even more geography and history lessons on Florida. While at the Tampa Bay History Center, dine outdoors or inside the Columbia Cafe on the first floor. The museum is within short walking distance of the meeting hotels. Not able to attend the field trip at this time? Show your badge and save \$2 off the regular admission price to tour the museum on your own time.

FIELD TRIPS

Field trips will depart from the circle outside of the Tampa Convention Center on the bottom floor.

FRIDAY, APRIL 11

#4-1 Growth and Development In Late 19th and 20th Century Tampa

Friday, April 11, 9:00 a.m. - 12:00 p.m.

Organizer: Shawn Landry, University of South Florida

Leader: Robert Kerstein, University of Tampa

Trip Capacity: 34

Cost/person: \$26 (includes bus transportation)

Join Dr. Robert J. Kerstein, professor of government and world affairs at the University of Tampa, on a tour that focuses on growth and development in late 19th and 20th century Tampa. The tour will leave from the convention center, area of the former Fort Brooke, and include stops at several sites designated by historic markers that describe the important of these places in the city's history. It will also include stops at Plant Hall at The University of Tampa and in Ybor City.

#4-2 Florida's Springs Coast: Water, Floods, Manatees, and Sea Level Rise at Homosassa Springs

Friday April 11, 9:00 a.m. - 5:00 p.m.

Organizer/Leader: Christopher F. Meindl, University of South Florida

Trip Capacity: 26

Cost/person: \$90 (includes bus transportation and admission fee)

Homosassa Springs is an excellent location to examine the relative health of (and threats to) Florida's many magnificent springs. In addition, participants can observe manatees and learn about the struggle to protect one of Florida's iconic animals. Finally, because Homosassa Springs is low lying and very near the Gulf of Mexico, it provides an opportunity to discuss the potential impacts of sea level rise and recent changes to the National Flood Insurance Program. Please note: we will be stopping for lunch, it is recommended to bring \$15-20.

#4-3 Tampa Bay Seawater Desalination Plant

Friday, April 11, 10:00 a.m. - 2:00 p.m.

Organizer/Leader: Kamal Alsharif, University of South Florida, School of Geosciences

Trip Capacity: 28

Cost/person: \$40 (includes bus transportation and boxed lunch)

Sponsor: AAG Water Resources Specialty Group

Tampa Bay Seawater Desalination Plant is one of the largest desalination plants in the country. Seawater coming into the plant goes through a rigorous pretreatment process then freshwater is separated from the seawater using reverse osmosis. The end product is high-quality drinking water that supplies up to 10 percent of the region's needs. It provides up to 25 million gallons per day of drinking water to the region. Guests will learn how the seawater into fresh drinking water. They will also learn about regional water supply and how the desalination plant fits into the supply mix.

#4-4 The Beaches in Ft. Desoto Park

Friday, April 11, 1:00 p.m. - 8:00 p.m.

Organizers: Ping Wang, University of South Florida & Stephen Leatherman, Florida International University

Leader: Charles Paxton & Jennifer Collins, University of South Florida

Trip Capacity: 32

Cost/person: \$38

On this field trip, we will investigate both natural and nourished beaches and dunes in Ft. Desoto Park, as well as other barrier island environments.

#4-7 Charting the Land of Flowers: 500 Years of Florida Maps

Friday, April 11, 3:00 p.m. - 4:00 p.m.

Organizer: Rebecca Pendergast, Association of American Geographers

Trip Capacity: 15

Cost/person: \$9

Sponsor: AAG

Take a guided tour of the most comprehensive exhibition of Florida cartography bringing together maps from museum and library collections around the world, many of which are on view to the public for the first time at the Tampa Bay History Center. Marking the quincentenary of Ponce de León's 1513 landing on Florida's shores, the exhibit offers a rare opportunity to see the world as the early European explorers saw it, and to watch the peninsula that would become one of our county's most populous and diverse states evolve. Discover that much of the earliest European exploration of North America occurred not in New England, but in Florida, while early railroad maps and travelogues show how the state became an agricultural powerhouse and America's No. 1 tourist destination. When the guided exhibit tour ends, feel free to experience the rest of the museum offering even more geography and history lessons on Florida. While at the Tampa Bay History Center, dine outdoors or inside the Columbia Cafe on the first floor. The museum is within short walking distance of the meeting hotels. Not able to attend the field trip at this time? Show your badge and save \$2 off the regular admission price to tour the museum on your own time.

FIELD TRIPS

Field trips will depart from the circle outside of the Tampa Convention Center on the bottom floor.

SATURDAY, APRIL 12

#5-1 Canoeing and Kayaking on the Hillsborough River: A Unique View of Tampa's Biogeography and Riverfront Development

Saturday, April 12, 10:00 a.m. - 4:00 p.m.

Organizer: Russell Fielding, University of Denver

Leader: Russell Fielding, University of Denver

Trip Capacity: 24

Cost/person: \$58 (includes bus transportation and canoe/kayak rental)

This field trip involves a guided tour by canoe or kayak (your choice) on the Hillsborough River. We will paddle through natural areas and areas that have seen some development. This will be a good opportunity to see wildlife as well as natural and built environments.

#5-2 Ecofest - Community Event

Saturday, April 12, 9:45 a.m. - 3:30 p.m.

Departure: #5-2a - 9:45 a.m.

#5-2b - 11:45 a.m.

Return: #5-2c - 12:30 p.m.

#5-2d - 3:30 p.m.

Organizer: Jennifer Collins, University of South Florida

Leaders: Nicole Hutton (AM) and Julius Anchang (PM),

University of South Florida

Trip Capacity: 25 (#5-2a) 25 (#5-2c)

25 (#5-2b) 25 (#5-2d)

Cost: see below in CAPS

Sponsor: USF College of Sustainability

ATTENDEES ARE RESPONSIBLE FOR PURCHASING A DEPARTURE AND RETURN TICKET. AAG IS NOT RESPONSIBLE IF YOU MISS YOUR BUS. EACH WAY IS \$1. (If you miss your selected bus, you must find your own transportation back to the hotel).

EcoFest 2014 is a community event organized by Learning Gate Community School, the City of Tampa and the Patel College of Global Sustainability to celebrate the many businesses, organizations, and individuals in the Tampa Bay area dedicated to the principles of sustainability – Ecology, Equity and Economy. Our 5th Annual EcoFest will be held on Saturday, April 12th at the Lowry Park bandshell area (Right opposite from the ZOO).

There will be live music, workshops, demonstrations, informational booths, green living products and services. Some local artists, green businesses, environmental organizations, alternative health practitioners, renewable energy specialists, organic farms and gardens with produce will be in attendance. There will be a fun activity area for children.

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EXHIBIT HALL

The 2014 AAG Annual Meeting Exhibitors will be located in the **West Hall**, located in the Tampa Convention Center (TCC) on the Third Floor.

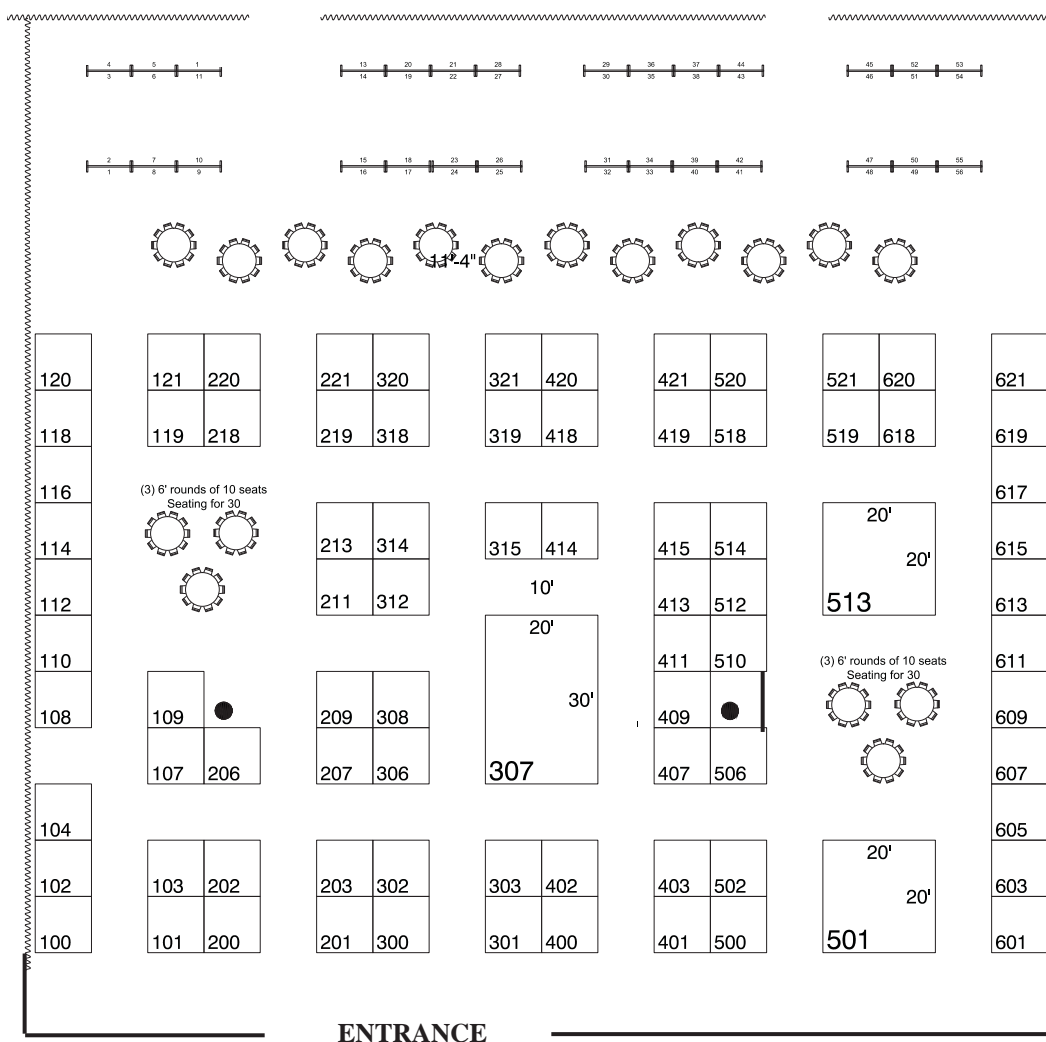


EXHIBIT HALL TWITTER SCAVENGER HUNT

The AAG will offer a Twitter Scavenger Hunt in the Exhibit Hall. Participate in the scavenger hunt for an opportunity to win a complimentary 2015 Annual Meeting conference registration. One winner will be selected for each day the Exhibit Hall is open (Wednesday – Friday). Follow the AAG on twitter for more information: @theAAG.

EXHIBIT HALL HOURS

Wednesday, April 9 Hall Open 9:30 a.m. - 5:30 p.m.
**Happy Hour in the Hall: 3:00 p.m. - 5:00 p.m.*

Thursday, April 10 Hall Open 9:30 a.m. - 5:30 p.m.
**Happy Hour in the Hall: 3:00 p.m. - 5:00 p.m.*

Friday, April 11 Hall Open 9:30 a.m. - 1:30 p.m.

*** Use the drink ticket(s) you received at registration for a complimentary drink during Happy Hour in the Hall.**

EXHIBITORS

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Haymarket Books.....	www.haymarketbooks.org
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Kent State University-Geography Department	www.kent.edu/cas/geography
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Palgrave Macmillan	www.plagrade-ysa.com
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Race, Ethnicity & Place Conference.....	rep-conference.binghamton.edu/
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Routledge	www.routledge.com
Rowman & Littlefield Publishing Group.....	www.rowman.com
SAGE Publications	www.sagepub.com
Spatial Networks	www.spatialnetworks.com
Springer.....	www.springer.com
Texas A&M University-College of Geosciences.....	www.geosciences.famu.edu
Texas State Geography	www.geo.txstate.edu
UNEP	www.unep.org
University of California, Davis-Geography Graduate Group.....	geography.ucdavis.edu
University of Chicago Press.....	www.press.uchicago.edu
University of Georgia Press	www.ugapress.org
University of Minnesota Press	www.upress.umn.edu
University of Nebraska Press.....	www.nebraskapress.unl.edu
University of South Florida, Dept. of Geosciences	hennarot.forest.usf.edu/main/depts/geosci/
University of Toronto Press	www.utppublishing.com
US Census Bureau	www.census.gov
US Geospatial Intelligence Foundation	www.usgif.org
USGS	www.usgs.gov
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Oxford
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AAG 2015 AD

INSTRUCTIONS TO SESSION CHAIRS

1. Adhere rigorously to the TIMES printed in the program. Each session presentation is assigned a specific time. If you have a no-show, use his or her time for a discussion of the preceding paper(s) or for a recess. Do not shift later papers into such voids. That is unfair to attendees who plan to hear a particular presentation.
2. Consult the program addenda for CANCELLATIONS in your session. Paper withdrawals are noted in the daily bulletin. Plan how you will use any free time for the benefit of the session.
3. Hold each individual to the TIME ALLOTTED. You will be given four signal sheets by the Conference Volunteer monitoring your room to alert each speaker to the time remaining (10 minutes, 5 minutes, 2 minutes, 1 minute and STOP). If a speaker continues after time has expired, rise, ask those present to join you in thanking the speaker, and announce the next presentation. Be polite but implacable. The audience and other speakers will respect and support strong direction on your part.
4. Note the location of the nearest HOUSE PHONE. Should a medical emergency or problem with room lighting, temperature, etc. arise, the house phone will connect you to the hotel and assistance will be provided. Secondly, should a problem arise with any audiovisual equipment, contact a Conference Volunteer or AAG Staff member for assistance. A Conference Volunteer will check on your session occasionally and may help you summon assistance, but you should be prepared to do so independently. Conference Volunteers are not trained or authorized to operate or repair audiovisual equipment.
5. If the SESSION ROOM FILLS QUICKLY and it looks like the session may be full or overfull, please make an announcement at the beginning of the session encouraging attendees to move toward the center of their row to make seats available. In addition, please have the Conference Volunteer assigned to your room call the AAG staff to assist with the crowd.
6. Please announce that photography in sessions is forbidden without the consent of the session participants.

Directions AD

KEY TO SESSION NUMBERS

AAG's sessions are all numbered with a 4-digit code. The numbers represent the following information:

1st digit = day (see below)

2nd digit = time period (see below)

Last two digits = room code (see next page)

Key to days (**1st digit**) is as follows:

Tuesday = 1

Wednesday = 2

Thursday = 3

Friday = 4

Saturday = 5

Below are the keys to time slots (**2nd digit**):

Tuesday, April 8

<i>Session #</i>	<i>Time</i>
11xx	8:00 a.m. - 9:40 a.m.
12xx	10:00 a.m. - 11:40 a.m.
13xx	11:50 a.m. - 12:30 p.m.
14xx	12:40 p.m. - 2:20 p.m.
15xx	2:40 p.m. - 4:20 p.m.
16xx	4:40 p.m. - 6:20 p.m.
17xx	6:30 p.m. - 8:00 p.m.
<i>(AAG Presidential Plenary)</i>	

Wednesday, April 9

<i>Session #</i>	<i>Time</i>
21xx	8:00 a.m. - 9:40 a.m.
22xx	10:00 a.m. - 11:40 a.m.
23xx	11:50 a.m. - 12:30 p.m.
24xx	12:40 p.m. - 2:20 p.m.
25xx	2:40 p.m. - 4:20 p.m.
26xx	4:40 p.m. - 6:20 p.m.
27xx	6:30 p.m. - 8:30 p.m.
<i>(AAG International Reception)</i>	
28xx	7:30 p.m. - 8:30 p.m.
29xx	8:30 p.m. - 9:30 p.m.

Thursday, April 10

<i>Session #</i>	<i>Time</i>
31xx	8:00 a.m. - 9:40 a.m.
32xx	10:00 a.m. - 11:40 a.m.
33xx	11:50 a.m. - 12:30 p.m.
34xx	12:40 p.m. - 2:20 p.m.
35xx	2:40 p.m. - 4:20 p.m.
36xx	4:40 p.m. - 6:20 p.m.
37xx	6:30 p.m. - 7:30 p.m.
<i>(AAG Past President's Address)</i>	
38xx	7:30 p.m. - 8:30 p.m.
39xx	8:30 p.m. - 9:30 p.m.

Friday, April 11

<i>Session #</i>	<i>Time</i>
41xx	8:00 a.m. - 9:40 a.m.
42xx	10:00 a.m. - 11:40 a.m.
43xx	11:50 a.m. - 12:30 p.m.
44xx	12:40 p.m. - 2:20 p.m.
45xx	2:40 p.m. - 4:20 p.m.
46xx	4:40 p.m. - 6:20 p.m.
47xx	6:30 p.m. - 8:00 p.m.
48xx	7:30 p.m. - 8:30 p.m.
49xx	8:30 p.m. - 9:30 p.m.

Saturday, April 12

<i>Session #</i>	<i>Time</i>
51xx	8:00 a.m. - 9:40 a.m.
52xx	10:00 a.m. - 11:40 a.m.
53xx	11:50 p.m. - 2:00 p.m.
<i>(AAG Awards Luncheon)</i>	
54xx	2:00 p.m. - 3:40 p.m.
	2:30 p.m. - 3:40 p.m.
<i>(AAG Business Meeting)</i>	
55xx	4:00 p.m. - 5:40 p.m.

Therefore, session 1402 would be held on Tuesday, April 8 (**1402**) from 12:40 p.m. - 2:20 p.m. (**1402**) in Room 2 of the TCC (**1402**).

last two digits = Room code (See next page for list of room code numbers)

KEY TO ROOMS

Room Code (last two digits of session number):

Session

<i>Room Code#</i>	<i>Room Name</i>	<i>Facility</i>	<i>Floor</i>
01	Room 1	TCC	First Floor
02	Room 2	TCC	First Floor
03	Room 3	TCC	First Floor
04	Room 4	TCC	First Floor
05	Room 5	TCC	First Floor
06	Room 6	TCC	First Floor
07	Room 7	TCC	First Floor
08	Room 8	TCC	First Floor
09	Room 9	TCC	First Floor
10	Room 10	TCC	First Floor
11	Room 11	TCC	First Floor
12	Room 12	TCC	First Floor
13	Room 13	TCC	First Floor
14	Room 14	TCC	First Floor
15	Room 15	TCC	First Floor
16	Room 16	TCC	First Floor
17	Room 17	TCC	First Floor
18	Room 18	TCC	First Floor
19	Room 19	TCC	First Floor
20	Room 20	TCC	First Floor
21	Room 21	TCC	First Floor
22	Room 22	TCC	First Floor
23	Room 23	TCC	First Floor
24	Room 24	TCC	First Floor
25	Room 25	TCC	First Floor
26	Ballroom A	TCC	First Floor
27	Ballroom B	TCC	First Floor
28	Ballroom C	TCC	First Floor
29	Ballroom D	TCC	First Floor
30	Room 30A	TCC	Fourth Floor
31	Room 31	TCC	Fourth Floor
32	Room 32	TCC	Fourth Floor
33	Room 33	TCC	Fourth Floor
34	Room 34	TCC	Fourth Floor
35	Room 35	TCC	Fourth Floor
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39	Room 39	TCC	Fourth Floor
40	Room 30B	TCC	Fourth Floor
41	West Hall	TCC	Third Floor
50	Office 1	Marriott	Second Floor
51	Office 2	Marriott	Second Floor
52	Grand Salon A	Marriott	Second Floor
53	Grand Salon B	Marriott	Second Floor
54	Grand Salon C	Marriott	Second Floor
55	Grand Salon D	Marriott	Second Floor
56	Grand Salon E	Marriott	Second Floor
57	Grand Salon F	Marriott	Second Floor
58	Grand Salon G	Marriott	Second Floor
59	Grand Salon H	Marriott	Second Floor

Session

<i>Room Code#</i>	<i>Room Name</i>	<i>Facility</i>	<i>Floor</i>
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61	Grand Salon J	Marriott	Second Floor
62	Florida Salon I	Marriott	Second Floor
63	Florida Salon II	Marriott	Second Floor
64	Florida Salon III	Marriott	Second Floor
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76	Greco Boardroom	Marriott	Third Floor
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80	Meeting Room 11	Marriott	Third Floor
81	Meeting Room 12	Marriott	Third Floor
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86	Ballroom 2	Westin Hotel	First Floor
87	Augustus Steele	Westin Hotel	First Floor
88	Fred E. Fletcher	Westin Hotel	First Floor
89	Garrisons	Westin Hotel	Second Floor
90	Joseph B. Lancaster	Westin Hotel	First Floor

FACILITY MAPS:

Tampa Convention Center (TCC) - pages 10-12

Tampa Marriott Waterside Hotel - pages 14-15

Westin Harbour Island Hotel - page 16

WALKING DIRECTIONS:

To access the Marriott from the Westin Hotel:

Depart the Westin on the First Floor, S. Franklin Street.
Take a right on Franklin Street. Cross Franklin Street at Old Water St. Continue down S. Old Water Street. The Marriott will be on your right.

To access the Tampa Convention Center from the Westin Hotel:

Depart the Westin on the First Floor, S. Franklin Street,
Take a right on Franklin Street. Take Franklin Street over the bridge until it becomes S. Harbour Island Blvd. Continue down S. Harbour Island Blvd. The Westin will be on your right.

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Presenting author(s) are indicated with an asterisk ().*

For special events, please see the Special Events & Meetings Summary on p. 44-48.

AAG 2014 Mobile App for
iOS, Android and Blackberry



TUESDAY, APRIL 8 • 8:00 AM - 9:40 AM • 1100

- 1110. The Fukushima Disaster: Three Years Later 1 (State, politics and policies) (Sponsored by Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Economic Geography Specialty Group)**
Room: Room 10, TCC, First Floor (Paper Session)
 ORGANIZER(S): Daisaku Yamamoto, Colgate University; Noritsugu Fujimoto, Fukushima University
 CHAIR(S): Atsuko Watanabe
 Introducer: Daisaku Yamamoto
8:20 Sasha Davis*, University of Hawaii - Hilo; Jessica Hayes-Conroy, Hobart and William Smith College, *Ignoring Like a State: Scales of Contamination, Biopolitics, and the Fukushima Nuclear Disaster.*
8:40 Robert J Mason, Professor*, Temple University, *Environmental Shocks as Policy Drivers: The Fukushima Case in Spatial and Temporal Context.*
9:00 Noritsugu Fujimoto, Associate Professor*, Fukushima University, *Fukushima's Regional Structure after the Great East Japan Earthquake: Industrial Structure and Decontamination-intensive Reconstruction Policy.*
9:20 Daisaku Yamamoto*, Colgate University, *Regional Socio-Economic Resilience to Nuclear Decommission Shocks in the United States.*
- 1111. Epistemologies of Violence: Critical engagements across space, time and sites of difference (I) (Sponsored by Geographic Perspectives on Women Specialty Group, Animal Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Room 11, TCC, First Floor (Paper Session)
 ORGANIZER(S): Amy Piedalue, University of Washington; Kathryn Gillespie, University of Washington
 CHAIR(S): Amy Piedalue, University of Washington
8:00 Elinor M Lloyd*, University of Warwick, *(Un)happy families: the co-occurrence of violence in the home.*
8:20 Patricia Martin*, Université De Montréal, *Outlining transnational spaces of gendered violence: Drawing links between femicide in Mexico and Mexican asylum seekers in Montréal.*
8:40 Sarah Hunt, PhD Candidate*, Simon Fraser University, *Categories of Colonial Violence: trafficking, sex work, and the violence of law.*
9:00 Julie Cupples*, University of Edinburgh; Kevin Glynn, Massey University, *Reframing indigeneity: The difference an indigenous broadcaster makes.*
 Discussant(s): Jennifer Fluri, Dartmouth
- 1112. Spatiotemporal Thinking, Computing and Applications 1: General Introduction (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Association of American Geographers)**
Room: Room 12, TCC, First Floor (Paper Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; A-Xing Zhu, Univ of Wisconsin; Weihe Wendy Guan, Harvard University
 CHAIR(S): Keith C. Clarke, University Of California, Santa Barbara
8:00 Maia Call*, The University of North Carolina at Chapel Hill; Paul Voss, The University of North Carolina at Chapel Hill, *Spatio-temporal modeling of childhood poverty in the United States.*
8:20 Keith E. Wresinski*, University of Wyoming, *How differing spatial and temporal scales shape the concept of sustainable development.*
8:40 Justin J. Hartnett*, Syracuse University, *Spatial and Temporal Trends of Snowfall in Central New York - A Lake Effect Dominated Region.*
9:00 A-Xing Zhu*, Univ of Wisconsin-Madison; Junzhi Liu, Professor, School of Geography, Nanjing Normal University, *A layered approach to parallel computing for spatially distributed hydrological modeling.*
- 9:20** Chaowei Yang*, George Mason University, *Spatiotemporal Innovation.*
- 1114. Welcome to the AAG annual meeting! A discussion on navigating and making the most of the conference (Sponsored by Jobs and Careers, Graduate Student Affinity Group, Geography Faculty Development Alliance (GFDA))**
Room: Room 14, TCC, First Floor (Panel Session)
 ORGANIZER(S): David Parr, Texas State University-San Marcos; Laura Cano Amaya, Texas State University
 Discussant(s): Amanda Rees, Columbus State University
 Panelists: Richard D Quodomine, NYS DOT; Xuelian Meng; Deanna McCay, Syracuse University Press; Zia Salim, San Diego State University / University of California, Santa Barbara
- 1122. Battle of the Tribes: geoweb, GIS, GI Science, cyberGIS, neogeography (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**
Room: Room 22, TCC, First Floor (Panel Session)
 ORGANIZER(S): Michael Gould, Esri; Renee Sieber, McGill University
 CHAIR(S): Renee Sieber, McGill University
 Introducer: Renee Sieber
 Discussant(s): Shaowen Wang, University of Illinois at Urbana-Champaign
 Panelists: Michael Gould, Esri; Monica Stephens, Humboldt State University; Sara Irina Fabrikant, University of Zurich; Andrew Turner, Esri
- 1123. Paleorecords I. Climate, Fire, Ice, and Extinctions in the Western U.S. and Northern High Latitudes (Sponsored by Geographies of Climate Change, Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
Room: Room 23, TCC, First Floor (Paper Session)
 ORGANIZER(S): Sally P. Horn, University Of Tennessee; Catherine Yansa, Michigan State University; Michelle Goman, Sonoma State University
 CHAIR(S): Catherine Yansa, Michigan State University
8:00 Daniel Griffin*, Woods Hole Oceanographic Institution; Connie A Woodhouse, University of Arizona; Steven W Leavitt, University of Arizona; Rochelle C Graham, Hydrologic Research Center, *North American Monsoon Climate Signal in a Multi-Proxy Dataset from Tree-Ring Latewood.*
8:20 Scott Mensing*, University of Nevada - Reno; Saxon Sharpe, Desert Research Institute; Irene Tunno, Dipartimento DAFNE, Università degli Studi della Tuscia, Viterbo, Italy; Don Sada, Desert Research Institute; Jim Thomas, Desert Research Institute; Scott Starratt, Volcano Science Center, U.S. Geological Survey, Menlo Park, CA; Jeremy Smith, University of Nevada, Reno, *The Late Holocene Dry Period: evidence for extended drought in the Great Basin of western North America between 2800 and 1850 cal yr BP.*
8:40 Anna Klimaszewski-Patterson*, University of Nevada, Reno; Scott A Mensing, Ph.D., University of Nevada, Reno; Linn Gassaway, United States Forest Service, *Paleoecology and paleofire of a wet meadow in the southern Sierra Nevada, California.*
9:00 Michael Pisarcic*, Brock University; Stephanie Delaney, Carleton University; Joshua Thienpont, Brock University; Jesse Vermaire, Carleton University; Roberto Quinlan, York University; Scott Lamoureux, Queen's University; Steven Kokelj, Government of Northwest Territories, *Undoing 10,000 years of landscape development in the blink of an anthropogenic eye: Impacts of retrogressive permafrost*

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megaslumps on aquatic ecosystems, Peel Plateau, Northwest Territories..

- 9:20** Glen MacDonald*, UCLA, *Biogeography of Extinction: Lessons from the Northern Woolly Mammoth.*

1124. Land Use / Land Cover Change, Climatology, and Environmental Sciences

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Doug R. Oetter, Georgia College & State University

- 8:00** Joseph R Desloges*, University of Toronto; Roger Tj Phillips, University of Toronto; Tina T Hui, University of Toronto; Anna Marie Megens, University of Toronto, *Comparative Fluvial Regime Shifts in Rural and Urbanizing Watersheds.*

- 8:08** Yasodha Kulandaisamy*, Padmini Pani; Center for the Study of Regional Development, Jawaharlal Nehru University, New Delhi- India, *Impact Of Anthropogenic Activities On Land Use And Land Cover Changes - In And Around Delhi Ridge.*

- 8:16** Zuzana Rulfova*, Department of Meteorology and Environment Protection, Charles University in Prague, Czech Republic; Zuzana Rulfova, Institute of Atmospheric Physics AS CR, Prague, Czech Republic; Jan Kyselý, Institute of Atmospheric Physics AS CR, Prague, Czech Republic, *Simulation of convective and stratiform precipitation in regional climate models.*

- 8:24** Peter J Martell*, Salem State University; Jennifer Jackman, Dr., Salem State University, *Mapping Human-Coyote Interaction on Cape Cod.*

- 8:32** Ian Pope*, Purdue University; Jonathan Harbor, Purdue University; Laura Zanotti, Purdue University; Guofan Shao, Purdue University; Dawn Bowen, University of Mary Washington; Gary Burniske, Purdue University, *Deforestation and soil erosion in the Central Highlands of Guatemala: Scale and Sustainability in Q'eqchi' Maya communities..*

- 8:40** Doug R. Oetter, PhD*, Georgia College & State University; Kristen L Whitbeck, PhD, McGill University, *Non-normal Spatial Distributions as Indicators of Distance Decay: Inference of Anthropogenic Impact on Boreal Forest Pattern.*

1130. Advances and Challenges in Digital Elevation Models I (Overview) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey

CHAIR(S): John Brock, USGS

- 8:00** James Hensleigh*, Ecogeomorphology & Topographic Analysis Lab; Joe M. Wheaton, Utah State University; Philip Bailey, North Arrow Research; Chris Welcker, Idaho Power Company, *Techniques for Robustly Developing Spatially Variable Uncertainty Models for Digital Elevation Models Using Fuzzy Inference Systems.*

- 8:20** Ashton Shortridge, PhD*, Michigan State University; Xue Li, Michigan State University; Joseph Messina, PhD, Michigan State University, *Modeling uncertainty in global elevation data products.*

- 8:40** Xue Li*, Michigan State University; Ashton Shortridge, Michigan State University; Joseph Messina, Michigan State University, *GroundBreaking: algorithm comparison for terrain anomaly detection.*

- 9:00** Dean Gesch*, U.S. Geological Survey, *A National Inventory of Topographic Surface Changes: The Value of Enhanced Elevation Data for Change Analysis and Monitoring.*

- 9:20** Barry W Eakins, PhD*, University of Colorado; Pamela

R Grothe, MS, Georgia Institute of Technology, *Challenges in building coastal DEMs.*

1132. Critical Geographies of Climate Fixes and Green Infrastructure: Neoliberalization, Global Warming, and Ecological Modernization (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Climate Change, Socialist and Critical Geography Specialty Group)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Ryan Katz-Rosene, Carleton University

CHAIR(S): Ryan Katz-Rosene, Carleton University

Introducer: Ryan Katz-Rosene

- 8:10** Shangrila Joshi Wynn*, Temple University, *Implementation of the Clean Development Mechanism in Nepal - sustainable development or climate fix?.*

- 8:30** Federica Bono*, KU Leuven, Research Foundation Flanders; Maarten Loopmans, KU Leuven; Erik Mathijs, KU Leuven, *Conceptualising Transition Management as a Climate Fix.*

- 8:50** Kevin Surprise, Ph.D Student*, Clark University, *Preempting the second contradiction? The making of US geoengineering policy.*

- 9:10** Ryan Katz-Rosene*, Carleton University, *High-Speed Rail: Green Infrastructure or Ecological Fix?.*

Discussant(s): Peter North, University Of Liverpool

1133. Theorizing Space, Place, and Identity (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa

CHAIR(S): Jason Rhodes, University of Georgia

- 8:00** Marian Mustoe, Ph.D.*, Eastern Oregon University, *Trans Substantiation, Part 2: Trouble In the Land of Theonomy.*

- 8:20** Bill Sisneros*, University of Wyoming; John Patrick Harty, PhD, University of Wyoming, *Metatopia: The Transition from Space to Place.*

- 8:40** Samuel Henkin*, Kent State University, *From Camps to Closets: Geographies of Oppression.*

- 9:00** Simon RR Coates*, University of Cambridge, *Post-Industrial Masculinities: The Embodied Response to Unemployment and Class Subordination.*

- 9:20** Jason Rhodes, Ph.D.*, Kennesaw State University, *Zones of Privilege, Zones of Exclusion: Race, Value, & the Reordering of Urban Space in Early Twentieth Century Atlanta.*

1134. Transportation in Urban Areas

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bing Wu, Nanyang Technological University

- 8:00** Lasse Møller-Jensen*, University of Copenhagen, *Transport Network Efficiency of Planned and Unplanned Residential Areas in Dar es Salaam.*

- 8:20** Yifan Zhang*, University of California, Los Angeles, *Rethinking Taxi's Value In Urban Mobility? Analysis Using GPS Data in Beijing.*

- 8:40** Hunjae Ryu*, Dept. of Energy & Environmental System Engineering, University of Seoul; Seo Il Chang, Ph.D., Professor, Dept. of Environmental Engineering, University of Seoul; In Kwon Park, Ph.D., Assistant Professor, Dept. of Urban Administration, University of Seoul, *The spatial statistical relationships between urban forms and road-traffic noise: A case study in the city of Cheongju, South Korea.*

- 9:00** Wu Yi-Jie*, *Explore the low-floor bus routes in Taipei.*

- 9:20** You Ren Chew, Nanyang Technological University; Bing Sheng Wu*, Nanyang Technological University, *Traffic and Urban Soundscape: A Soundscape Approach to Noise Pollution in Taipei, Taiwan.*

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- 1135. Spotlight on REUs: Pedagogical Impacts of a Multi-Generational, Use-Inspired Research Project at Clark University's Human-Environment Regional Observatory (HERO) program (Sponsored by Geography Education Specialty Group)**
Room: Room 35, TCC, Fourth Floor (Panel Session)
 ORGANIZER(S): Deborah Martin, Clark University
 CHAIR(S): Deborah Martin, Clark University
 Introducer: Deborah Martin
 Panelists: Regan Fink; Joseph Hersh, Clark University; Shannon Palmer, Clark University; Michelle Ritchie, Southern Connecticut State University; Sean Cunningham, Clark University; Michelle Andrews, Clark University; Alida Cantor, Clark University
- 1154. Geophilosophy and the Geo-Social (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Grand Salon C, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Harlan Morehouse
 CHAIR(S): Harlan Morehouse
8:00 Harlan Morehouse*, University of Minnesota, University of Vermont, *Advancing a Conceptual Agenda: Preliminary Remarks on Geophilosophy and the Geo-Social*.
8:10 Ethan Miller*, University of Western Sydney, *Beyond Economy, Society and Environment: Ecopoiesis in the Anthropocene*.
8:28 Bradley Rink*, University of Cape Town, *Que(e)rying the Anthropocene: Embracing camp, queer, and the artificial*.
8:46 Holly Jean Buck*, Cornell University, *Ocean Pastures, Ocean Afforestation, and the Blue Revolution: The Anthropocene Beyond Land*.
9:04 Franklin Ginn*, University of Edinburgh, *"Lifting the Earth, that's a wager, but also promotional swagger": On geoengineering*.
- 1155. Location Privacy: Panel Discussion - A (Sponsored by Geographic Information Science and Systems Specialty Group, Military Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Grand Salon D, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Bandana Kar, University of Southern Mississippi
 CHAIR(S): Bandana Kar, University of Southern Mississippi
 Discussant(s): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis
 Panelists: Jerome E. Dobson, University of Kansas; Daniel Sui, The Ohio State University; Lea Shanley, Woodrow Wilson Center; Agnieszka Leszczynski, Queen's University; Patti Day, University of WI-Milwaukee
- 1156. Data Shadows and Urban Augmented Realities (Session 1: Practicing Data Shadows) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Communication Geography Specialty Group)**
Room: Grand Salon E, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Mark Graham, University of Oxford; Matthew Zook, University of Kentucky
 CHAIR(S): Mark Graham, University of Oxford
8:00 Charles Travis, PhD*, Trinity College Dublin, *June 16th 1904 in Dublin: Augmented Realities and James Joyce's Ulysses (1922)*.
8:20 Koen Leurs*, London School of Economics, *UPLOAD: Urban Politics of London Youngsters Analyzed Digitally*.
8:40 Lilas Duvernois Guevara*, Oxford Internet Institute; Gili Vidan*, Oxford Internet Institute, *Blanked Out: Data-rich and Data-blank Spaces in London as a New Frontier of Gentrification*.
- 1159. Census and Administrative Microdata Linkage in the UK, the USA, and Canada: Prospects, Problems and Solutions? (Sponsored by Population Specialty Group)**
Room: Grand Salon H, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Thomas Cooke, University of Connecticut; Ian Shuttleworth
 CHAIR(S): Thomas Cooke, University of Connecticut
 Discussant(s): Seth Spielman, University of Colorado
 Panelists: Ian Shuttleworth; Nicola Shelton, UCL; Oliver Duke-Williams; Chris Dibben, University of St Andrews
- 1160. Sustainability and Cities (Sponsored by Urban Geography Specialty Group)**
Room: Grand Salon I, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Lisa Benton-Short, The George Washington University
 CHAIR(S): Lisa Benton-Short, The George Washington University
8:00 Lisa Benton-Short*, The George Washington University, *Planning for Sustainability: an examination of US cities and their sustainability plans*.
8:20 Jennifer H Rowland*, George Washington University, *Conceptualizing Urban Green Space within Municipal Sustainability Plans: Parks, Tree Canopy, and Urban Gardens*.
8:40 Melissa Keeley, Prof.*, George Washington University, *A Content Evaluation of Municipal Green Building Policy Motivations*.
9:00 Jillian Prusa*, Ohio University, *Repairing the Rust Belt: Vacant Lot Reuse in Cleveland, Ohio and Baltimore, Maryland*.
9:20 Brenna Keatinge*, University of Toronto, *Vacant Land in the Inner-City and the Potential Effects of the Article 89 Urban Agriculture Zoning Ordinance on Land Use in Boston*.
- 1161. Studying Urban Decline: The Politics of Vacant Property, Abandoned Spaces, and Failed Development (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Grand Salon J, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Kathryn Wells, Virginia Tech
 Panelists: Joshua M Akers, University of Michigan-Dearborn; Jason Knight, SUNY Buffalo State; Amanda Huron, University of the District of Columbia; Ingrid Butler; Clayton Rosati, Bowling Green State University; Patrick Oberle, Syracuse University
- 1167. Cultivating Bodies: Learning, Feeling, Doing 1**
Room: Florida Salon VI, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Rebecca Sandover, University Of Exeter; Ursula Lang, University of Minnesota
 CHAIR(S): Rebecca Sandover, University Of Exeter
8:00 Neera M Singh, PhD*, University of Toronto, *Environmental Care Labor: Growing Forests and Becoming "Forest Caregivers" in Odisha, India*.
8:20 Rosemary-Claire Collard*, University of Toronto, *Cultivating the unencounterable animal*.
8:40 Ursula Lang*, University of Minnesota, *Inhabiting cultivated yards*.
9:00 Kyle Loewen*, University of British Columbia, *Storage and the Logistical Cultivation of Entities*.
9:20 Stephanie Terreni Brown*, University of Edinburgh, *Cultivating bodily rhythms: discussing the temporality of toileting in spaces of infrastructural absence*.
- 1168. Cities of Diversity and Encounter: Theorizing Social and Economic Class in Urban Places (Sponsored by Urban**

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- Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group**
Room: *Meeting Room 1, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Maureen Hickey, ARI, National University of Singapore; Junjia Ye, Max Planck Institute for the Study of Religious and Ethnic Diversity
CHAIR(S): Junjia Ye, Max Planck Institute for the Study of Religious and Ethnic Diversity
8:00 Parama Roy, Assistant Professor*, University of Copenhagen, *Planning for the homeless in Copenhagen: reproducing the old or producing new class relations.*
8:20 John Stehlin*, University of California, Berkeley, *The Production of Tech-Space: Gentrification, Public Space, and the Production of Value in San Francisco.*
8:40 Maureen Hickey*, National University of Singapore, *Enclosed Encounters: Class, Labor and Urban Sociality inside Bangkok Taxicabs.*
9:00 Junjia Ye*, Max Planck Institute for the Study of Religious and Ethnic Diversity, *Thinking through class in everyday encounters: living with diversity in Singapore.*
9:20 Ulrike Gerhard*, Ruprecht-Karls University of Heidelberg, *Mobile Spaces: urban practices in cities from a transcultural perspective.*
- 1169. Entrepreneurship, innovation and sustainability (1) (Sponsored by Jobs and Careers)**
Room: *Meeting Room 2, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Ragnhild Overa, University of Bergen; Grete Rusten, University of Bergen
CHAIR(S): Ragnhild Overa, University of Bergen
8:00 Bjornar Saether*, University Of Oslo; Per Kristian Alnes, mr, Eastern Norway Research Institute, *Innovation in difficult times; the wood working industries in Eastern Norway.*
8:20 Frank Marshalek*, Indiana University, *"The Renovation of Socialism: Examples of the Danish and Cuban Cooperative Agricultural Systems".*
8:40 Markus Steen*, Norwegian University of Science and Technology; Gard Hopsdal Hansen, Dr., Norwegian University of Science and Technology, *Renewable energy entrepreneurs: the twin challenge of technology and market selection environments.*
9:00 Jayme Walenta, Ph.D.*, Texas A&M University, *Becoming Carbon Neutral: leveraging the carbon market to improve livelihoods in Costa Rica.*
9:20 Håvard Haarstad*, University of Bergen; Grete Rusten*, University of Bergen, *Environmental Innovations and Regulation/Innovation Dissonance: The Case of Mongstad Refinery.*
- 1170. Rethinking Rural Resilience: Endogenous Development Paths In Rural And Peripheral Regions (I) (Sponsored by Recreation, Tourism, and Sport Specialty Group, Rural Geography Specialty Group)**
Room: *Meeting Room 3, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Patrick Brouder, Mid Sweden University & University of Johannesburg; Christopher Fullerton, Department of Geography, Brock University
CHAIR(S): Christopher Fullerton, Department of Geography, Brock University
8:00 Hélène DUCROS*, University of North Carolina - Chapel Hill, *Rural Resilience in Hell-Bourg: Creole Heritage, Community, and Sense of Place.*
8:20 Jesse Abrams, Ph.D.*, Ecosystem Workforce Program, Institute for a Sustainable Environment, University of Oregon; Emily Jane Davis, Ph.D., Ecosystem Workforce Program, Institute for a Sustainable Environment, University of Oregon; Cassandra Moseley, Ph.D., Ecosystem Workforce Program, Institute for a Sustainable Environment, University of Oregon, *Community-Based Organizations as Network Entrepreneurs: Endogenous Development in the Rural American West.*
- 8:40** Patrick Brouder*, Mid Sweden University & University of Johannesburg; Chris Fullerton, Associate Professor, Brock University, *Cascade Effect or Co-evolution within Tourism in the Niagara region?.*
- 1172. Economic Geography I - Relatedness, Diversification, and Adaptation (Sponsored by Economic Geography Specialty Group)**
Room: *Meeting Room 5, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Dieter F. Kogler, University College Dublin; David Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
CHAIR(S): Dieter F. Kogler, University College Dublin
8:00 Markus Adrian, Universität Hamburg; Max-Peter Menzel*, Universität Hamburg, *Changing forms of relatedness and new spatial configurations in the global wind energy industry: the example of Hamburg.*
8:20 Godfrey Yeung*, National University of Singapore; David Rigby, UCLA; Canfei He, Peking University, *Industrial diversification within Chinese cities: The roles of product relatedness, internal and external learning.*
8:40 Tina Haisch*, University of Bern, *Perception, adaptation and economic resilience in resource dependent tourism communities.*
9:00 Alison M Gill*, Simon Fraser University, *Creating New Pathways Towards Sustainability in Tourism Destinations.*
Discussant(s): Jennifer Clark, Georgia Institute of Technology
- 1173. Provenance Enablement in Geographic Data and GIScience Research (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**
Room: *Meeting Room 6, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Xiaogang Ma; Wenwen Li, Arizona State University
CHAIR(S): Xiaogang Ma
8:00 Jason A. Tullis, Ph.D.*, University of Arkansas; Xuan Shi, Ph.D., University of Arkansas; Jackson D. Cothren, Ph.D., University of Arkansas, *Role of a Provenance Store in Geoprocessing and Workflow Design.*
8:20 Deana Pennington*, University of Texas at El Paso; Nicholas Del Rio, PhD, University of Texas at El Paso; Natalia Villanueva Rosales, PhD, University of Texas at El Paso; Karl Benedict, PhD, University of New Mexico; C.J. Grady, Mr., University of Kansas; Aimee Stewart, Ms., University of Kansas, *Earth, Life, and Semantic Web (ELSEWeb): Provenance in Distributed Geospatial Workflows.*
8:40 Ola Ahlqvist*, The Ohio State University, *Land Use and Land Cover Semantics: Principles, Best Practices and Prospects.*
9:00 Krzysztof Janc*, Wroclaw University, *Information sources in agriculture - usage of websites.*
9:20 Morgan J. Bearden*, United States Geological Survey, *Crowd-Sourcing the Nation.*
- 1174. The American South: Perspectives on Researching the Region (Sponsored by Study of the American South Specialty Group, The American South)**
Room: *Meeting Room 7, Marriott, Second Floor (Panel Session)*
ORGANIZER(S): LaToya Eaves, Florida International University
Panelists: Matthew Cook, The University of Tennessee; Lindsay Shade, University of Kentucky; Conor Harrison, University of North Carolina

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1179. Critical Geographies of “Corruption” and “Accountability” in Millennial Capitalism I (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Sapana Doshi, University of Arizona, Tucson;

Malini Ranganathan, American University

CHAIR(S): Sapana Doshi, University of Arizona, Tucson

8:00 Regina Natalia Morales*, American University,

Accountability in the Russian Federation: A Question of Civil Society.

8:20 Hun Kim*, University of California, Berkeley, *Asian*

Land Investors and the Limits of Corruption Narratives in Late Socialist Saigon, Vietnam.

8:40 Philippe Le Billon*, University of British Columbia,

Corruption, transparency and accountability in extractive sectors.

Discussant(s): Michael Dwyer, CIFOR

1181. Biodiversity and Biopolitics I: Calculating and Conserving Genes, Species, Populations, Nations, and Races (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Christine Biermann, Ohio State University;

Becky Mansfield, The Ohio State University

CHAIR(S): Becky Mansfield, The Ohio State University

8:00 Christine Biermann*, Ohio State University, *Making nature*

live, letting species die: Conservation biology as biopolitics.

8:20 Paula Decker*, University of Arizona, *Biopolitical Animals.*

8:40 Elizabeth Hennessy*, University of North Carolina

Chapel Hill, *The Tortoise and the Goat: the changing nonhuman biopolitics of species values in the Galápagos Islands.*

9:00 T. Garrett Graddy*, American University School of

International Service, *Ceding seeds to biopower?*

Genetic information data portals, seed certifications

and the bare life of agricultural biodiversity.

Discussant(s): Kendra McSweeney, The Ohio State University

1182. Reimagining Nationalisms: Communities and Borders in Moments of Transition I (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Arielle Hesse, Penn State; Jennifer Titanski-

Hooper

CHAIR(S): Arielle Hesse, Penn State

8:00 Anna Gawlewicz*, University of Sheffield, *Essentializing*

'the home' and 'the host': Migrant encounters with difference and reimagining the national.

8:20 Catherine Cottrell*, University of South Carolina,

Navigating National, Post-national, and Multicultural Discourses of Belonging in Tallinn, Estonia.

8:40 Leif Johnson*, University of Kentucky, *Sites of Struggle:*

Enacting Pro-Migrant Politics On the U.S.-Mexico Border.

9:00 Suncana Laketa*, University of Arizona, *Affects, Identities,*

Territories: Nationalism Embodied.

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- 1201. Weather, Climate, and Health I: Trends and Projections (Sponsored by Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)**
Room: Room 1, TCC, First Floor (Paper Session)
 ORGANIZER(S): David M Hondula, The University of Virginia; Jennifer Vanos, Texas Tech University; Michael Allen, Kent State University
 CHAIR(S): Grady Dixon, Mississippi State University
10:00 Laurence S Kalkstein, Ph.D.*, University of Miami, *A Tale of Two Climate Models: Do the Problems Outweigh the Benefits?*
10:15 Charles Konrad*, University of North Carolina - Chapel Hill; Maggie M. Kovach, University of North Carolina at Chapel Hill; Christopher M. Fuhrmann, University of North Carolina at Chapel Hill, *Trends in Tornado Vulnerability across the United States*
10:30 Michael Allen*, Kent State University, *A Long Term Analysis (1948 - 2012) of Heat Waves and Cold Spells using Distributed Lag Non-Linear Models*
10:45 David M. Hondula, Ph.D.*, Arizona State University; Matei Georgescu, Ph.D., Arizona State University; Robert C. Balling, Jr., Ph.D., Arizona State University, *Challenges associated with projecting urbanization-induced heat-related mortality in greater Phoenix*
11:00 Lennart Olsson, Professor*, Lund University; Anne Jerneck, Associate Professor, Lund University, *Geographies of Heat: Social and spatial differentiation of heat stress in the wake of climate change*
 Discussant(s): Laurence Kalkstein, University of Miami
- 1203. (Approaching) Banal Nationalism 20 years on (Sponsored by Political Geography Specialty Group)**
Room: Room 3, TCC, First Floor (Paper Session)
 ORGANIZER(S): Natalie Koch, Syracuse University; Anssi Paasi, University of Oulu
 CHAIR(S): Anssi Paasi, University of Oulu
10:00 Tamar Mayer*, Middlebury College, *"Banal Nationalism" and the Invisibility of Ethnonational Minorities: On the importance of non-banal nationalism as experienced in Xinjiang, China*
10:20 Anssi Paasi*, University of Oulu, *Banal nationalism and the mobilization memory: celebrating 'independence'*
10:40 Natalie Koch*, Syracuse University, *Nationalizing women's labor: The 'knowledge economy' and higher education in the GCC*
11:00 Jason Dittmer*, University College London, *Assembling Foreign Policy: Materiality and banal (trans) nationalism in the Foreign and Commonwealth Office*
 Discussant(s): Karen Culcasi, West Virginia University
- 1204. Current practices and challenges in international geography field courses (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Qualitative Research Specialty Group)**
Room: Room 4, TCC, First Floor (Paper Session)
 ORGANIZER(S): Michael R Glass, University of Pittsburgh; David Fyfe
 CHAIR(S): Michael R Glass, University of Pittsburgh
10:00 Derek France*, University of Chester; Victoria Powell, University of Chester; Alice Louise Mauchline, University of Reading; Julian Park, University of Reading; Brian Whalley, University of Sheffield; Katharine Welsh, University of Chester; Robert Wilson Jackson, University of Reading, *Benefits and Challenges of Using Mobile Technologies on International Field courses*
10:20 David Fyfe*, York College of Pennsylvania, *Short term study abroad opportunities: learning geography through experiencing place*
- 10:40** Michael R Glass*, University of Pittsburgh, *Enhancing reflexivity during short-term international field courses*
11:00 Kelly Lemmons*, Texas A&M University, *Study Abroad and International Fieldwork: Failing to cultivate intercultural competence*
11:20 Jo Beth Mullens*, Keene State College, *Maximizing Student Learning During Faculty-Led International Courses*
- 1205. Sustainability on (Sub)Urban Sprawl, Smart Growth/New Urbanism, Inner City Developments (Sponsored by Regional Development and Planning Specialty Group, Landscape Specialty Group, Urban Geography Specialty Group)**
Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Sun Hui Sim, University of North Alabama; Francis Koti, University of North Alabama
 CHAIR(S): Francis Koti, University of North Alabama
10:00 Francis Koti*, University of North Alabama, *Techno Cities: Africa's Urban Future or a New Form of Urban Exclusion?*
10:20 Maria Hernandez*, University of Alicante; Alvaro Francisco Morote*, University of Alicante, *Can water consumption decline under conditions of tourist-related urban sprawl?: A case study in the coast of Alicante (Spain)*
10:40 Hui Kong*; Xin Tong; Daniel Z Sui; Xun Wang, *Roads to Mixed-use Development: A Case Study of Southern Changping in Beijing, China*
11:00 Anna C. McCreery*, The Ohio State University, *Transportation Ecoefficiency and Economic Structure: Case studies of occupational patterns and public transit*
11:20 Guang Xing*, Tingting Zhao, *Measuring Urban Sprawl in Florida's Metropolitan Areas*
- 1206. FQG: Challenging Hetero/Homonormativities in Homespace (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**
Room: Room 6, TCC, First Floor (Paper Session)
 ORGANIZER(S): Nick Skilton, University of Wollongong
 CHAIR(S): Nick Skilton, University of Wollongong
10:00 Nick Skilton, PhD Candidate*, University of Wollongong, *Fluid Australian Intimacies: The effect of Distance Labour on relationships*
10:20 Carla Barrett*, University of Southampton, *LGBT homemaking practices in contemporary England: challenging heteronormative discourses of domestic labour and the home*
10:40 Katrin B. Anacker*, George Mason University; Sarah P. Nusser, Independent Scholar, *The Pervasiveness of Hetero-Sexism and the Experiences of Queers in Everyday Space: The Case of Cambridge, Massachusetts*
- 1207. FQG: Geographies of Adolescent Sexualities (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: Room 7, TCC, First Floor (Paper Session)
 ORGANIZER(S): Christopher Schroeder
 CHAIR(S): Christopher Schroeder
10:00 Maria Rodo-de-Zarate*, Universitat Autònoma de Barcelona, *Young lesbians negotiating intersectional (dis)comforts and the right to space*
10:20 Christopher Schroeder*, University of Wisconsin-Milwaukee, *The Park, Parvis, and Parade: queer youth, political ecology, and public space*
- 1208. Housing as Social Experiment: Rethinking the Legacy of Modernist Planning Outside Europe, 1900-1950 (Sponsored by Regional Development and Planning Specialty Group,**

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Asian Geography Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Yael Allweil, Technion IIT; Cecilia L. Chu, University of California, Berkeley

CHAIR(S): Cecilia L. Chu, University of California, Berkeley

10:00 Pauline K.M. Van Roosmalen, dr*, Delft University of Technology; Pauline K.M. van Roosmalen, dr, Delft University of Technology, *Learning by doing: Housing and planning in the Dutch East Indies/Indonesia (1905-50)*.

10:15 Yael Allweil*, Technion IIT, *'Housing Before Street': Geddes' 1925 Modern Urban Planning for Tel Aviv as Disruption of the Dichotomy Between Top-Down Planners-Ideologies and Bottom-Up Urban Citizens*.

10:30 Cecilia L. Chu*, The University of Hong Kong, *The Propensity of Land: Housing Crisis, Speculative Craze and the Advent of Modernist Planning in Hong Kong, 1912-1925*.

10:45 Eunice Seng*, The University of Hong Kong, *The Housing Crisis and the Tropes of Improvement: Estate Blueprints of the Singapore Improvement Trust, 1927-1951*.

11:00 Noriyuki Osada*, Research Associate, Current Affairs Studies Group, Area Studies Center, Institute of Developing Economies, *Accommodating Urban Growth to Development: Modernist Planning in Colonial Rangoon, Burma*.

Discussant(s): Matthew Lasner

1209. Spatial Data: Access Issues and Urban Policy Analysis (Sponsored by GIScience, GIS, and Public Policy)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): GIScience, GIS, and Policy

CHAIR(S): Stephanie Deitrick, Arizona State University

10:00 Stephanie Deitrick, PhD*, Arizona State University, *Exploring the relationship between uncertainty and policy decisions: evaluating implicit uncertainty visualization for decision support*.

10:01 Maria Martinez*, Information International Associates; Suresh K SanthanaVannan, Oak Ridge National Lab; Yaxing Wei, Oak Ridge National Lab, *Interoperability in Practice: Preparing and Sharing Geospatial Data*.

10:02 Zachary A Jones, M.A., M.S.*, Eastern Michigan University, *Privacy vs. Research: a Public Policy Case Study in GIS*.

10:03 Julia R. Elmer, MA, MBA, MPH*, The Ohio State University, *Neighborhood Economic Impacts of Hispanic-Owned Businesses in Three Ohio Cities*.

10:04 Yaoli Wang*, University of Georgia, *Detecting Associated Communities in Social Network and Urban Activity Spaces*.

1210. The Fukushima Disaster: Three Years Later 2 (Living through the disaster: victims and refugees) (Sponsored by Cultural and Political Ecology Specialty Group, Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Daisaku Yamamoto, Colgate University;

Noritsugu Fujimoto, Fukushima University

CHAIR(S): Sasha Davis, University of Hawaii - Hilo

10:00 Takashi Oda, PhD*, Miyagi Univ. of Education; Isao Mizuno, PhD, Ochanomizu Univ.; Naoko Hasegawa, PhD, Ochanomizu Univ., *Displacement, relocation, and the spatial change in livelihood among survivors of the 3/11 Fukushima disaster*.

10:20 Jessica Hayes-Conroy*, Hobart & William Smith Colleges; Jeffrey Sasha Davis, University of Hawaii Hilo, *Becoming (De)Contaminated: A Feminist Political Ecology Analysis of the Fukushima Daiichi Disaster*.

10:40 Yuta Hirai*, Fukushima University, *Land and People in Fukushima*.

11:00 Marie P. Augendre*, EVS - Lyon 2, *Living or not in a contaminated area : the case of post Tepco accident Japan*.

Discussant(s): Rebecca Elmhirst, University of Brighton

1211. Epistemologies of Violence: Critical engagements across space, time and sites of difference (II) (Sponsored by Geographic Perspectives on Women Specialty Group, Animal Geography Specialty Group, Racism and Violence, Development Geographies Specialty Group)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Amy Piedalue, University of Washington;

Kathryn Gillespie, University of Washington

CHAIR(S): Kathryn Gillespie, University of Washington

10:00 Nicole Nguyen*, Syracuse University, *"I'd like to build a little bomb and set it off in front of [Tsarnaev]": U.S. Public Schools as Epistemic Arbiters and Sites of Violence*.

10:20 Jared Powell*, University of Arizona, *Pedagogical Violence in the Dystopian Present*.

10:40 Ian Shaw*, The University of Glasgow; Majed Akhter, Indiana University, *The Dronification of State Violence*.

11:00 Richard Merritt, M.A., Luther College; Scott Hurley, PhD*, Luther College, *Invisible Geographies: Violence and Oppression in the Prison-Industrial Complex and Concentrated Animal Feeding Operations*.

Discussant(s): Katherine Brickell, Royal Holloway, University of London

1212. Spatiotemporal Thinking, Computing and Applications 2: Methods (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Diansheng Guo, University Of South Carolina; Keith C. Clarke, University Of California, Santa Barbara

CHAIR(S): Weihe Wendy Guan, Harvard University

10:00 Andrew J. Hardin*, University of Colorado at Boulder-Geography; Seth E. Spielman, University of Colorado at Boulder-Geography, *A Typology and Numerical Methodology for Studying the Spatio-temporal Process of Diffusion*.

10:20 James Haworth*, University College London, *Machine learning approaches for predictive policing*.

10:40 Eun-Kyeong Kim*, Pennsylvania State University, *A Framework for Stochastic Modeling for Movement Behaviors*.

11:00 Yue Sun*, Clark University; Jie Tian, Assistant Professor of Geographic Information Science for Development and Environment, *Mapping Ambient Temperature based on Mobile Data*.

11:20 Min Xu*, Department of Geography, University of Cincinnati, Cincinnati, USA; Hongxing Liu, Department of Geography, University of Cincinnati, Cincinnati, USA; Bailang Yu, Key Lab of Geographic Information Science, Ministry of Education, East China Normal University, Shanghai, China; Emily Kang, Department of Mathematical Sciences, University of Cincinnati, Cincinnati, USA, *A Markov Random Field Approach to Improving Classification of Remotely Sensed Image by Incorporating Spatial and Temporal Contexts*.

1214. Career Mentoring A (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers

CHAIR(S): Mark Revell, Association of American Geographers

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Discussant(s): Mark R Hafen, Univ of South Florida; Linda A. Peters, Esri; Heather R Houlton, American Geosciences Institute; Pablo Fuentenebro, United Nations Environment Programme; Brad Jackson, City of Austin, TX

1215. Redistributed Manufacturing and the Emergence of New Economic Geographies: Innovation, Energy Costs, Sustainability, Reshoring and Digital Fabrication (I) (Sponsored by Scale and Sustainability, Economic Geography Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Vida Vanchan, Buffalo State College; John Bryson, University of Birmingham

CHAIR(S): Vida Vanchan, Buffalo State College

10:00 John Bryson*, University of Birmingham; Megan Ronayne, University of Birmingham, *From Carpets to Technical Textiles: Evolution, Distribution and Innovation and the British Textile Industry.*

10:20 Chloe Billing*, *Heritage, Innovation and Networks as Sources of Competitiveness for Manufacturing Firms: the case of the UK Space Industry.*

10:40 Ron Kalafsky*, University of Tennessee, *Overcoming Distance: Exploring the Challenges of Nova Scotian Exporters.*

11:00 James S. Peters, Ph.D.*, University of Massachusetts, Amherst; David T. Damery, Ph.D., University of Massachusetts, Amherst; Richard W. Wilkie, Ph.D., University of Massachusetts, Amherst, *Materiality and location: materials processing, regions, and culture.*

11:20 Sally Weller*, Monash University, *Manufacturing redux? De-industrialisation in Australia.*

1216. Alternative Computation and Unconventional Spaces

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Josef Eckert, University of Washington; Monica Stephens, Humboldt State University

CHAIR(S): Josef Eckert, University of Washington

10:00 Kevin Krivacsy*, University of Tennessee; Shih-Lung Shaw, University of Tennessee, *Should Geography Care About Virtual Space?*

10:20 Josef Eckert, Ph. D Candidate*, University of Washington, *Occupied with Location: Research Directions for Geographies of Social Media.*

10:40 Craig M. Dalton*, Bloomsburg University of Pennsylvania; Jim Thatcher, Clark University, *Inflated Granularity: The promise of Big Data and the need for a critical data studies.*

11:00 Ate Poorthuis*, University of Kentucky, *Syncing Space: Reconnecting social theory and big data.*

Discussant(s): Monica Stephens, Humboldt State University

1217. Authors-Meet-Critics Panel: The Power of Narrative in Environmental Networks (Cambridge: MIT Press), 2013. (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Room 17, TCC, First Floor (Panel Session)

ORGANIZER(S): Margaret Wilder, University of Arizona

CHAIR(S): Margaret Wilder, University of Arizona

Panelists: Margaret FitzSimmons, University of California; Richard Schein, University Of Kentucky; Mara Miele, Cardiff University; David Prytherch, Miami University; Eric Magrane; Mrill Ingram; Helen Ingram, The Southwest Center

1218. Festschrift for Dr. Gerard Rushton by his former students and colleagues: 1. Spatial Choice and GIS Beginnings.

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Alan Phipps, University of Windsor

CHAIR(S): Thomas Bell, Univ of TN/Western KY Univ

10:00 Thomas L. Bell*, Univ of TN/Western KY Univ, *Gerry*

Rushton, Central Place Theory and Me.

10:20 Alan G Phipps*, University of Windsor, *Studying human spatial decision-making and its environmental effects, beginning with Gerard Rushton's 1971 article entitled, "Postulates of Central-Place Theory and the Properties of Central-Place Systems".*

10:40 Thomas C Eagle, PhD*, Eagle Analytics of California, *Integrating a Hierarchical Bayes Gravity-Like Model Into a Retail Chain's IT System.*

11:00 Michael F. Goodchild*, University of California - Santa Barbara, *Gerard Rushton and Quantitative Human Geography.*

1220. Latin American Social Movements and the Environment

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): William Maxwell

CHAIR(S): William Maxwell

10:00 William Maxwell, M.S.*, The University of North Carolina at Chapel Hill, *To Thrive, Work, and Live: Progress Toward and Challenges to Sustainability on the Frei Gondim Settlement, Pernambuco, Brazil.*

10:20 Fernando Hernandez Espino*, Clark University, *Emerging Geographies through Land conflicts: resistance against the "Generación de Energía Limpia" project in Puebla, Central Mexico..*

10:40 Maya Manzi*, *Agrarian Social Movements and the Making of Agrodiesel Moral Territories in Northeastern Brazil.*

11:00 Diego B Leal*, University of Richmond, *Transboundary indigenous activism in Amazonia: A Peruvian-Brazilian case study.*

11:20 Hugo Marcelo Zunino*, Universidad De La Frontera, *Utopian Lifestyle Migrants in the Chilean Northern Patagonia: Alternative Ways for Living in the late Capitalist Society..*

1222. CyberGIS and Digital Epidemiology (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Guofeng Cao, University of Illinois at Urbana-Champaign; Zhuojie Huang; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR(S): Guofeng Cao, University of Illinois at Urbana-Champaign

10:00 Guofeng Cao*, Texas Tech University; Shaowen Wang, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; National Center for Supercomputing Applications; Myunghwa Hwang, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; Anand Padmanabhan, National Center for Supercomputing Applications; Zhenhua Zhang, Computer Network Information Center, Chinese Academy of Sciences, *A General Framework for Spatio-temporal Analysis of Location-based Social Media Data.*

10:20 Zhuojie Huang*, Pennsylvania State University; Marcel Salathé, Pennsylvania State University, *Location based social network for disease surveillance.*

10:40 Recinda Sherman*, University of Miami; Daniel Goldberg, PhD, Texas A & M, *Using geocoder metadata to assess quality of geocoded data and impact on results of spatial studies.*

11:00 Chien-Chou Chen*, Graduate Institute of Epidemiology and Preventive Medicine, National Taiwan University; Hsien-Ho Lin, Graduate Institute of Epidemiology and Preventive Medicine, National Taiwan University, *Care-Seeking Pathways of Active Tuberculosis Patients in Taiwan: a Spatial Analysis.*

11:20 Tong Sun*, State University of New York at Buffalo,

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Department of Geography; Ling Bian, State University of New York at Buffalo, Department of Geography, *Infectious Disease Process in a People-location Two-mode Network*.

1223. Paleorecords II. Climate and Environmental History in the Eastern U.S. (Sponsored by Geographies of Climate Change, Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Sally P. Horn, University Of Tennessee; Catherine Yansa, Michigan State University; Michelle Goman, Sonoma State University

CHAIR(S): Michelle Goman, Sonoma State University

10:00 Gabriel M Brownell*, The University of Wisconsin-Platteville; Evan R Larson, Ph.D., The University of Wisconsin-Platteville, *A 400-year summer temperature reconstruction for northern Wisconsin and Michigan*.

10:20 Catherine Yansa*, Michigan State University; J. Elmo Rawling III, University of Wisconsin Platteville, *Differentiating Between Lake Effect and Regional Climate Patterns in Southern Lower Michigan during the Holocene*.

10:40 Albert E. Fulton*, Michigan State University; Catherine H. Yansa, Michigan State University, *Paleoecological Indicators of Late Woodland Iroquoian Land-Use Practices in the Finger Lakes Region of Upstate New York, USA*.

11:00 Joanne P Ballard*, University of Tennessee; Sally P Horn, University of Tennessee; Chad S Lane, Chad Lane, University of North Carolina, Wilmington; Zheng-Hua Li, NASA Marshall Space Flight Center; Steven G Driese, Baylor University; Thomas V Lowell, University of Cincinnati, *Late Glacial fire and nitrogen dynamics at lacustrine sites in Alabama and Michigan: evidence of an acid rain event?*.

11:20 Samantha W Kaplan*, University of Wisconsin - Stevens Point; Paul J Garrison, Wisconsin Department of Natural Resources, *Historic Land Use Change and Lake Response in Thirteen Kettle Lakes in Central Wisconsin*.

1224. River Observations, Monitoring, and Management (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Suzanne Walther, Utah Valley University; Adriana E Martinez, Southern Illinois University Edwardsville

CHAIR(S): Adriana E Martinez, Southern Illinois University Edwardsville

10:00 Stephanie Stotts, Ph.D.*, University of Delaware/Wesley College; James E Pizzuto, Ph.D., University of Delaware; Michael O'Neal, Ph.D., University of Delaware, *Armoring of River Banks with Woody Vegetation at South River, Virginia*.

10:05 Maxime Boivin*, Université du Québec à Rimouski and UMR5600 EVS / ENS-Lyon.; Thomas Buffin-Bélanger, Université du Québec à Rimouski; Hervé Piégay, UMR5600 EVS / ENS-Lyon, *Interannual Monitoring of the Dynamics of large wood in a 60 km river corridor, the Saint-Jean River, Gaspé Peninsula, Quebec, Canada (2010-2013)*.

10:10 Pollyanna Lind*, University of Oregon, *Capturing Grain Mobilization on Active Boulder Bars in a Tropical Montane River Through Repeat Photogrammetric Surveys (Structure from Motion)*.

10:15 James Hayes*, University of Nebraska at Omaha, *Land Cover Change and Downstream Habitat Modification: Valley Oak (Quercus lobata) Dynamics in the Santa Monica Mountains, California, USA*.

10:20 Leif M Burge, PhD*, SNC Lavalin, Environment and Water; Laurence Chaput-Desrochers, MSc, SNC Lavalin, Water and Environment; Richard Guthrie, PhD, SNC Lavalin, Water and Environment, *Depth of cover at water crossings: can we reliably predict scour depth*.

10:25 James T Dietrich*, University of Oregon, *Sub-Meter Remote Sensing for Fluvial Monitoring with Off-the-shelf Components*.

10:30 Noah Slovin*, University of Massachusetts Amherst, *Using High-Resolution Remote Sensing Data and ArcGIS to Estimate Fluvial-Geomorphometric Parameters*.

10:35 Kun-Yuan Lee*, University of Nebraska - Lincoln; Paul Hanson, University of Nebraska - Lincoln, *Climatic effects on Stream Variability in Nebraska's Long Pine Creek basin from 1950 to 2000*.

10:40 David J Bailey*, CSU, Northridge; Carolyn T Hunsaker, PhD, Pacific Southwest Research Station, USDA, Forest Service, *Spatiotemporal analysis of shallow groundwater levels and chemistry in Sierra Nevada, CA meadows*.

10:45 Jacob M McDonald*, University of Georgia; David S Leigh, University of Georgia, *The Influence of Climate and Land Cover Change on Flooding in the Southern Blue Ridge Mountains*.

10:50 David Meko*, University of Arizona; Ramzi Touchan, University of Arizona, *Reconstruction of Streamflow from Tree Rings by Nested Local-Regression Models*.

10:55 Swagata Goswami*, University of Oregon, *Watershed scale morphometric controls on the lateral mobility of the Gangetic tributaries along North-Central Himalayas*.

11:00 Adriana E Martinez*, Southern Illinois University Edwardsville, *Invasive and Native Riparian Vegetation: Modeling Channel Hydraulics with Current and Future Vegetation Conditions*.

11:05 Suzanne C. Walther*, Utah Valley University, *Modeling Distribution & Sediment Transport in Pleasant Creek, Capitol Reef National Park*.

1230. Advances and Challenges in Digital Elevation Models II (Coastal) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey

CHAIR(S): John Brock, USGS

10:00 Matthew Marsik, PhD*, Independent Researcher, Vashon WA; Allison Bailey, SoundGIS, Seattle WA; H. Gary Greene, PhD, Tombolo Research Laboratory, Orcas Island, WA; John Aschoff, Tombolo Research Laboratory, Orcas Island, WA; Paul Dye, The Nature Conservancy, Seattle WA, *Updating bathymetry data for benthic habitat mapping in Puget Sound, Washington*.

10:20 Jeffrey J Danielson*, United States Geological Survey; Dean J Tyler, United States Geological Survey; Daniel M Howard, Stinger Ghaffarian Technologies, Inc., Contractor to USGS EROS Center; John A Barras, United States Geological Survey; Gayla A Evans, United States Geological Survey; John C Brock, United States Geological Survey, *Creation of a 3-Meter Topobathymetric Elevation Model for Southern Louisiana Using Improved Elevation Masking Techniques*.

10:40 Gayla A. Evans*, USGS; Jeffrey J Danielson, USGS; Dean J Tyler, USGS; John A Barras, USGS; John C Brock, USGS, *Validation of the 3-Meter Topobathymetric Elevation Model for Southern Louisiana*.

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- 11:00** Haibin Su*, Texas A&M University - Kingsville; Hongxing Liu, University of Cincinnati, *Improving bathymetry mapping with multispectral imagery using Co-kriging interpolation method.*
- 11:20** Amar Nayegandhi*, Dewberry, *Challenges in determining water surface in airborne LiDAR topobathymetry.*
- 1232. Climate Change in Mountain Regions (Sponsored by Geographies of Climate Change, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group, Mountain Geography Specialty Group)**
Room: Room 32, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Katrina Moser, University of Western Ontario; David Porinchu, University of Georgia
 CHAIR(S): David Porinchu, University of Georgia
 Introducer: Katrina Moser
- 10:04** Julie Tuttle, M.S., Ph.D. candidate*, University of North Carolina at Chapel Hill, *Quantifying fine-scale soil moisture gradients in Great Smoky Mountains National Park.*
- 10:20** Amanda Young*, Penn State University; Koichi Takahashi, PhD, Shinshu University; Andrew Carleton, PhD, Penn State University; Alan Taylor, PhD, Penn State University, *Modeling Climate Data from Mixed Sources in the Northern Japanese Alps for Dendroclimatological Analysis.*
- 10:36** Shirley Ngai*, Western University; Katrina Moser, Western University, *Determining Effects of Warming Temperature and Changing Precipitation on Physical and Chemical Properties of Uinta Mountain Lakes, Utah, USA..*
- 10:52** Danielle R Haskett*, The University of Georgia; D F Porinchu, PhD, University of Georgia, *A Midge-based Reconstruction of Thermal Conditions in the Central Colorado Rockies during Marine Isotope Stage 5.*
- 11:08** David Porinchu*, University of Georgia; Scott Reinemann, The Ohio State University - Lima; Danielle Haskett, University of Georgia, *Response of High Elevation Lakes in the Intermountain West of the United States to Recent Climate Change.*
- 11:24** Anna Marie Higgins*, University of Nevada, Reno; Scott Mensing, University of Nevada, Reno, *Paleoenvironmental conditions at Fallen Leaf Lake, CA over the last 13,000 years.*
- 1234. Urban Growth and Development**
Room: Room 34, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Adam Mahoney, Department of Geography
- 10:00** Tom Farole, World Bank; Andrés Rodríguez-Pose, London School of Economics and Political Science; Daniel Hardy*, London School of Economics and Political Science, *Community, society, and adaptation: assessing the institutional factors behind long-run growth in city-regions.*
- 10:20** Sigismond A. Wilson*, Rogers State University; Cyril O Wilson, University of Wisconsin-Eau Claire., *An investigation into the role of anthropogenic drivers on changes in land cover and land use in Tulsa Metropolitan Area.*
- 10:40** Alireza F. Farahani*, Clark University, *Rethinking learning in/for development theory: What role for geography?.*
- 11:00** Ashley Coles, Ph.D*, Georgia Southern University, *The persistence of modernist development: ordering as common sense.*
- 11:20** Adam Mahoney*, UBC Department of Geography, *The Fetishism of Development (and the geography thereof).*
- 1235. Curricular Redesign, Innovation and Action for Student Success in Changing Times (1) (Sponsored by Jobs and Careers, Geography Education Specialty Group)**
- Room:** Room 35, TCC, Fourth Floor (Panel Session)
 ORGANIZER(S): Dawn Hawley, Northern Arizona University
 CHAIR(S): Dawn Hawley, Northern Arizona University
 Introducer: Dawn Hawley
 Panelists: Patricia Beyer, Bloomsburg University; David Robertson, State University Of New York, Geneseo; Siobhán McPhee, University of British Columbia; Gregory Pope, Montclair State University
- 1236. Onward migration within the EU and North America: a transatlantic perspective (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Room 36, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Ilse Van Liempt, utrecht university; Jill Ahrens, University of Sussex
 CHAIR(S): Wei Li, Arizona State University
- 10:00** Sadia Hassanen, Department of Social Anthropology, Stockholm University & Multicultural Centre, Stockholm; Karen Haandrikman*, Dept of Human Geography, Stockholm University, *Onward Migration of African Europeans: Comparing Attitudes with Migration Motives.*
- 10:20** Emma Stewart*, University of Strathclyde; Marnie Shaffer, University of Strathclyde, *Dispersal Outcomes for Asylum Seekers across the UK: Comparing Ethnic Patterns of Onward Migration and Integration.*
- 10:40** Rosa Mas Giralta*, University of Leeds, *Onward mobility as a coping strategy? The case of Latin American migration from Spain to the UK post-2008.*
- 11:00** Jill Ahrens*, University of Sussex, *The (Re)shaping of Nigerian Transnational Families through Onward Migration in the European Union.*
- 11:20** Stevan Weine, M.D.*, University of Illinois at Chicago, *Secondary Migration and Relocation Among African Refugee Families in the United States.*
- 1255. Location Privacy: Panel Discussion - B (Sponsored by Geographic Information Science and Systems Specialty Group, Military Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Grand Salon D, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Bandana Kar, University of Southern Mississippi
 CHAIR(S): Bandana Kar, University of Southern Mississippi
 Discussant(s): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis
 Panelists: Francis Harvey, University of Minnesota - Minneapolis; Rina Ghose, University Of Wisconsin Milwaukee; Michael Tully, Aerial Services, Inc.; Nancy Obermeyer, Indiana State Univ
- 1256. Data Shadows and Urban Augmented Realities (Session 2: Coding Data Shadows) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Communication Geography Specialty Group)**
Room: Grand Salon E, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Mark Graham, University of Oxford; Matthew Zook, University of Kentucky
 CHAIR(S): Matthew Zook, University of Kentucky
- 10:00** Sung-Yueh Perng*, NIRSA, National University of Ireland Maynooth; Tracey P Lauriault, NIRSA, National University of Ireland Maynooth; Rob Kitchin, NIRSA, National University of Ireland Maynooth, *Augmented cities, socially mediated geo-platform and the geo/coding of places.*
- 10:20** Matthew Kelley*, University of Washington, Tacoma, *The semantic production of space: pervasive computing and the urban landscape.*
- 10:40** Sarah Widmer*, University of Neuchâtel, *"Foursquare*

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knows me better than Google": Some thoughts on the increasing personalization of digital layers of geographic information..

- 11:00** Jim Thatcher*, Clark University, *Code and the mediation of space: The pleasures of being placed.*

1258. Politics, Policy, and the Environment

Room: Grand Salon G, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ryan Hackett

- 10:00** Francesco Chiodelli*, Gran Sasso Science Institute; Stefano Moroni, Milan Polytechnique, *Rethinking the Connection Between Informality and Regulation in Light of the Concept of Nomotopism.*

- 10:20** Sylwia Dolzblasz*, University of Wroclaw, *Cooperation and competition in the borderlands.*

- 10:40** Irem Kok, doctoral candidate*, University of Oxford, Department of Geography and the Environment; Irem Kok, doctoral candidate, University of Oxford, Department of Geography and the Environment, *Transparency, science and fracturing chemicals: The politics of shale gas regulation in the US and UK.*

- 11:00** Magno Emerson Barbosa Da Silva, Goiás Federal University (Brazil); Daniel M Vallerius*, Pará Federal University (Brazil), *Public policies and the restructuring of sugarcane productive sector in Goias, Brazil.*

- 11:20** Ryan Hackett*, York University, *Hybridized governance and the politics of environmental mitigation in Alberta, Canada..*

1261. Doing Marxist Geography: The Relevance of Capital, Volume 1 (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Grand Salon J, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Majed Akhter, Indiana University

CHAIR(S): Majed Akhter, Indiana University

Introducer: Matt Huber

Panelists: Curtis Pomilia; Jessie Speer; Kriangsak Teerakowitkajorn, Syracuse University; Kari Hicks, Indiana University

1266. Climate Specialty Group Student Paper Competition I (Sponsored by Geographies of Climate Change, Climate Specialty Group)

Room: Florida Salon V, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Lei Meng, Western Michigan University

CHAIR(S): Lei Meng, Western Michigan University

- 10:00** Jase Bernhardt*, Penn State University, *Determining Regional Weather and Climate Patterns and Anomalies from a Historical Diary.*

- 10:20** Amanda M Billiot*, Louisiana State University; Barry Keim, Louisiana State University, *A Hybrid Procedure for Classifying Synoptic Weather Types for Louisiana with an Application to Precipitation Variability.*

- 10:40** Jose J. Hernandez Ayala*, University of Florida, *Multiple Atmospheric Teleconnections Control of Rainfall in the Island of Puerto Rico.*

- 11:00** Rebekah D Jones*, Louisiana State University, *A bird's-eye view of catastrophism: hurricanes, thunderstorms and barrier island change on the MS-AL coast, 1972-2013.*

- 11:20** Johnathan Sugg*, Department of Geography, University of North Carolina at Chapel Hill; Baker Perry, Department of Geography and Planning, Appalachian State University; Dorothy Hall, Cryospheric Sciences Laboratory, NASA Goddard Space Flight Center, *A Synoptic Climatology of New Snowfall in the Southern Appalachian Mountains Using MODIS Fractional Snow Cover.*

1267. Cultivating Bodies: Learning, Feeling, Doing 2

Room: Florida Salon VI, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Rebecca Sandover, University of Exeter;

Ursula Lang, University of Minnesota

CHAIR(S): Ursula Lang, University of Minnesota

- 10:00** Beyhan Farhadi*, University of Toronto, *Private Tuition: Affective Geographies of Cyberspace.*

- 10:20** Shannon Cram*, UC Berkeley, *Permissible Exposure: Injury and the Art of Atomic Living.*

- 10:40** Naomi Adiv*, CUNY Graduate Center, *Cultivating the swimming body - drownproofing, stroke, fitness.*

- 11:00** Tatiana Matejskova*, Roskilde University, *Healing bodies: Contemporary spirituality, practice and therapeutic landscapes.*

- 11:20** Josh Brahinsky*, UCSC, *Cultivation: Agency, Freedom and Politics in the Pentecostal Sensorium.*

1268. Cities of Diversity and Encounter: Theorizing Social and Economic Class in Urban Places (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Maureen Hickey, ARI, National University of Singapore; Junjia Ye, Max Planck Institute for the Study of Religious and Ethnic Diversity

CHAIR(S): Maureen Hickey, ARI, National University of Singapore

Introducer: Junjia Ye

Discussant(s): Alan Latham, University College London

Panelists: Victoria Lawson, University of Washington; Sarah Elwood, University of Washington; Gill Valentine, University of Sheffield

1269. Entrepreneurship, innovation and sustainability (2) (Sponsored by Jobs and Careers)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Ragnhild Overa, University of Bergen; Grete Rusten, University of Bergen

CHAIR(S): Grete Rusten, University of Bergen

- 10:00** Asbjorn Karlsen*, NTNU, *Negotiating the emerging offshore wind industry - a discourse analysis of an event.*

- 10:20** Marcus O Edino, PhD*, Geography Department, Colgate University Hamilton, New York, *Host governments or Oil Multinational Corporations? Who is responsible for community development?.*

- 10:40** Austin Dziwornu Ablo*, University of Bergen, Norway, *Sustainable enterprise development for Ghana's oil and gas industry: To what extent is Corporate Social Responsibility (CSR) promoting local participation in the oil and gas industry?.*

- 11:00** Hans Kjetil Lysgaard, PhD*, University of Agder; Knut Hidle, PhD, Department of Geography, University of Bergen; Ståle Angen Rye, PhD, Department of Geography, Norwegian University of Technology and Science, *Transnational student mobility - how transnational networks and mobility influence students' geographical life path and work related career plans..*

- 11:20** Ragnhild Overa*, University of Bergen, *Gender, entrepreneurship and sustainability in Ghana's oil and gas service sector.*

1270. Rethinking Rural Resilience: Endogenous Development Paths In Rural and Peripheral Regions (II) (Sponsored by Recreation, Tourism, and Sport Specialty Group, Rural Geography Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Patrick Brouder, Mid Sweden University & University of Johannesburg; Christopher Fullerton,

Department of Geography, Brock University

CHAIR(S): Patrick Brouder, Mid Sweden University &

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- University of Johannesburg
- 10:00** Li Yang*, Western Michigan University, *Rural Tourism and Poverty Relief*.
- 10:20** Khaled Alshboul*, University of Waterloo; Sanjay K Nepal, University of Waterloo, *Assessing local community involvement in tourism around a proposed World Heritage Site. The case of Jerash in Jordan*.
- 10:40** Szilvia Gyimothy*, Aalborg University, *Bollywood-in-the-Alps: Contested Popular Culture Place-making*.
- 11:00** Christopher Fullerton, PhD*, Department of Geography, Brock University, *Rural Land Use Planning Challenges in an Economically-Depressed Municipality: Seeds of a Broad Research Agenda*.
- 1271. Geospatial Cyberinfrastructure to Support Sustained Polar and Environmental Sciences (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cryosphere Specialty Group)**
- Room:* Meeting Room 4, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Wenwen Li, Arizona State University; Chaowei Yang, George Mason University
- CHAIR(S): Wenwen Li, Arizona State University
- 10:00** David M Atkinson, Ph.D.*, Ryerson University; Paul Treitz, Ph.D., Queen's University; Neal Scott, Ph.D., Queen's University, *Modelling Biophysical Variables and Carbon Dioxide Exchange in Canadian Arctic Tundra Landscapes Using Remote Sensing Data*.
- 10:20** Morteza Karimzadeh*, Pennsylvania State University, *Place Names for Geographic Information Retrieval: Current Status and Future Data Requirements*.
- 10:40** Wenwen Li*, Arizona State University; Vedit Bhatia, Arizona State University, *Enabling Semantic Search in Geospatial Metadata Catalogue to Support Intelligent Polar Data Discovery*.
- 11:00** Kai Liu*; Chaowei Yang; Jizhe Xia; Zhenlong Li; Min Sun, *Utilizing Volunteer Computing and Spatiotemporal Clustering to Monitor Quality of Service for Polar Sciences*.
- 11:20** Miaomiao Song*, School of Geographical Sciences and Urban Planning, Arizona State University; Wenwen LI, School of Geographical Sciences and Urban Planning, Arizona State University, *Building a Service-Oriented Geospatial Cyberinfrastructure for Disaster Management*.
- 1272. Economic Geography II - Evolutionary Paths of Invention (Sponsored by Economic Geography Specialty Group)**
- Room:* Meeting Room 5, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Dieter F. Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David Rigby, UCLA
- CHAIR(S): Jennifer Clark, Georgia Institute of Technology
- 10:00** David Rigby*, UCLA, *Mapping cities in knowledge space*.
- 10:20** Dieter F. Kogler*, University College Dublin; Jürgen Essletzbichler, University College London; David Rigby, UCLA, *The Evolution of Invention within European Regions, 1980-2005*.
- 10:40** Sharmistha Bagchi-Sen*, SUNY-Buffalo; Peter Kedron, Ryerson University; Dieter Kogler, University College Dublin, *Understanding Emerging Biofuel R&D Networks Using Patent Data*.
- 11:00** Breandan O Huallachain*, Arizona State University, *Invention in the U.S. City System: The Number-Average Size Rule*.
- Discussant(s): Andres Rodriguez-Pose, London School Of Economics
- 1273. Ground Contamination and the Environment**
- Room:* Meeting Room 6, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Dr. Melissa Rura, United Methodist
- Neighborhood Centers of Memphis; Hoehun Ha, Central Michigan University
- CHAIR(S): Hoehun Ha, Central Michigan University
- 10:00** Jennifer Liss Ohayon*, University of California, Santa Cruz, *The Politics of Remediation: Public Participation in U.S. Military Superfund Cleanups*.
- 10:20** Rebecca Roider*, University of Wisconsin-La Crosse, *Heavy Metal Contamination in Fruit, Vegetables and Surrounding Soil Samples from Elbasan, Albania*.
- 10:40** Joshua E Bucher*, South Dakota State University; Trisha Jackson, Ph.D.; Andrew Bland; Riley Forsyth; Joshua Fuerstenberg; Devanshu Narang; Michael Niles; Colin Pugsley, *The South Dakota State University Coal Pile - Past and Present*.
- 11:00** Bohumil Frantal, RNDr.*, Institute of Geonics, Academy of Sciences of the Czech Republic; Petr Klusacek, Institute of Geonics, Academy of Sciences of the Czech Republic; Josef Kunc, Institute of Geonics, Academy of Sciences of the Czech Republic, *Location matters! Spatial determinants of successful brownfield regeneration (case of the Czech Republic)*.
- 11:20** Hoehun Ha*, Central Michigan University; James Olson, SUNY at Buffalo; Marian Marian Pavuk, Agency for Toxic Substances and Disease Registry, CDC; Peter Rogerson, SUNY at Buffalo, *Use of Geographic Information System to Assess Individual Exposure to Soil PCB Contamination in Anniston, Alabama*.
- 1274. Emerging Scholarship of the U.S. South: AAG Student Scholar Paper Session (Sponsored by Study of the American South Specialty Group, The American South, Graduate Student Affinity Group)**
- Room:* Meeting Room 7, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): LaToya Eaves, Florida International University
- CHAIR(S): LaToya Eaves, Florida International University
- 10:00** D Augustus Anderson*, UNC-Chapel Hill, *Black Southern Space: Micro and Macro-level Determinants of Locational Attainment, 1970-2000*.
- 10:20** Donna H Park*, Auburn University, *KOREABAMA: Exploring the Recent Social and Landscape Impacts Of South Korean Migration Trends And Patterns In The Rural South*.
- 10:40** Sara Gleave*, University of North Carolina at Charlotte, *Associations between African American Labor Market Inequality and Public Housing in the Big Easy*.
- 11:00** Synatra Smith*, Florida International University, *#TeamFollowBack: Social Media, Digital Space, and the Reinforcement of the Not-So-Pseudo-Community*.
- 11:20** Amanda W Roberts*, University of Nevada, Reno, *Great Smoky Mountains National Park Postcards: A Sense of Place through Park Ephemera*.
- 1279. Critical Geographies of "Corruption" and "Accountability" in Millennial Capitalism II (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
- Room:* Meeting Room 10, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Sapana Doshi, University of Arizona, Tucson; Malini Ranganathan, American University
- CHAIR(S): Malini Ranganathan, American University
- 10:00** Grant William Walton, PhD*, *Australian National University, The new radicals: Anti-corruption activism in Papua New Guinea*.
- 10:20** Vanessa Empinotti*, University of São Paulo, *The different meanings of transparency and their impact over water governance in Brazil*.
- 10:40** Rajyashree Reddy*, University of Toronto, *Garbage, Crony Capitalism and Struggles for Social and Environmental Justice in Bangalore*.
- Discussant(s): Trevor Birkenholtz, University of Illinois at Urbana-Champaign

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1281. **Biodiversity and Biopolitics II: Calculating and Conserving Genes, Species, Populations, Nations, and Races (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Christine Biermann, Ohio State University;
Becky Mansfield, The Ohio State University

CHAIR(S): Christine Biermann, Ohio State University

10:00 Elizabeth Barron*, University of Wisconsin - Oshkosh,
Biopolitics of the Body-less: Metagenomics and the remaking of conservation.

10:20 Jairus Rossi*, University of Kentucky, *Governing Seeds while Governing People: How Normative Natures Shape Collection and Dispersal Practices in Ecological Restoration Projects.*

10:40 Jessica Dempsey*, University of Victoria, *The New Conservation and the Neoliberal Anthropocene.*

11:00 Jake Kosek*, UC Berkeley, *Making Bees Live: The Biopolitics of Apiary Mortality.*

Discussant(s): Rebecca Lave, Indiana University Dept of Geography

1282. **Reimagining Nationalisms: Communities and Borders in Moments of Transition II (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Arielle Hesse, Penn State; Jennifer Titanski-Hooper

CHAIR(S): Jennifer Titanski-Hooper

10:00 Adrian N Mulligan*, Bucknell University, *Inside, Outside, Upside Down: Nationalism, Citizenship, the State and Exception..*

10:20 Heath Robinson, Ph.D.*, University of Illinois at Urbana-Champaign, *The Distinction Between State and Government.*

10:40 Elisabeth Militz*, University of Zurich, *Arzu olunan milliyetçilik: Locating fantasies of the nation in Azerbaijan.*

11:00 Shelby L Smith*, School of Geography and Development, The University of Arizona, *An Urban Haven: Sanctuary, Inclusionary Politics and Community Resistance in Connecticut.*

11:20 Ayesha Basit*, University of Toronto, *temp.*

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1313. **Historical Maps of Florida, with Tom Touchton**

Room: Room 13, TCC, First Floor (Plenary Session)

Introduction: **Joel Morrison**

Speaker: **Tom Touchton**

Touchton, an avid collector of historical Florida maps, will discuss his extensive collection and his longstanding involvement in and support for the Tampa Bay History Center. The Tampa Bay History Center is hosting a special exhibition, *Charting the Land of Flowers: 500 Years of Florida Maps*, featuring Touchton's collection, many of them on view to the public for the first time.

Following this lunchtime plenary, Touchton will lead a tour through this special cartographic exhibition of Florida's past.

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1401. Weather, Climate, and Health II: Extreme Temperature Environments (Sponsored by Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)

Room: Room 1, TCC, First Floor (Paper Session)

ORGANIZER(S): David M Hondula, The University of Virginia; Jennifer Vanos, Texas Tech University; Michael Allen, Kent State University

CHAIR(S): Adam J Kalkstein, United States Military Academy

12:40 Chris R De Freitas, PhD*, University of Auckland; Elena A Grigorieva, PhD, Institute for Complex Analysis of Regional Problems, Russian Academy of Sciences, Far Eastern Branch, *Weather-related Human Mortality and Acclimatization During the Transitional Seasons of Autumn and Spring in the Extreme Climate of the Russian Far East*.

12:55 E. A. Grigoreva*, Institute for Complex Analysis of Regional Problems, Russian Academy of Sciences, Far Eastern Branch, Birobidzhan, Russia; L. S. Kalkstein, University of Miami, Miller School of Medicine, Miami, USA; S. C. Sheridan, Department of Geography, Kent State University, Kent, USA; J. K. Vanos, Department of Geosciences, Atmospheric Sciences Research Group, Texas Tech University, Lubbock, USA; D. M. Fetisov, Institute for Complex Analysis of Regional Problems, Russian Academy of Sciences, Far Eastern Branch, Birobidzhan, Russia, *Spatial analysis of synoptic climatology for summer in the southern part of the Russian Far East*.

1:10 Margaret M Kovach*, University of North Carolina at Chapel Hill; Charles E Konrad, University of North Carolina at Chapel Hill; Christopher M Fuhrmann, University of North Carolina at Chapel Hill, *Temperature Thresholds for Heat Related Illness in North Carolina*.

1:25 Christopher Fuhrmann*, University of North Carolina at Chapel Hill; Maggie Kovach, University of North Carolina at Chapel Hill; Chip Konrad, University of North Carolina at Chapel Hill, *The Effect of Extreme Heat on Human Health in North Carolina*.

1:40 Lance Elliott Watkins*, Mississippi State University; Grady Dixon, Mississippi State University, *Heat Wave Definitions and Mortality*.

Discussant(s): Adam J Kalkstein, United States Military Academy

1403. The Geography of Sport (Sponsored by Recreation, Tourism, and Sport Specialty Group, Political Geography Specialty Group)

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Natalie Koch, Syracuse University

CHAIR(S): David Jansson, Uppsala University

12:40 Lise Nelson*, Penn State University, *Soccer and the politics of belonging: Latino immigrants, recreation and spaces of exclusion in rural Georgia*.

1:00 Robert Huish*, Dalhousie University, *Cuba's Alternative Geography of Sport for Development*.

1:20 Daniel Evans*, York University, *Global Game, Local Tensions: Fans, Football and "the Peoples' Clubs" of Liverpool*.

1:40 Bradley Gardener*, Temple University, *Geographies of Professional Wrestling - Scale, Race, and the Geographical Imaginary*.

Discussant(s): Justin Spinney, Cardiff University

1405. Geographies of Mobility I: Migration (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Tim Schwanen, University of Oxford

CHAIR(S): Tim Schwanen, University of Oxford

12:40 Katherine Botterill*, Newcastle University, *Mobility and the community: Polish migrant narratives of community life in the UK*.

1:00 Sara Landolt*, University of Zurich, Switzerland, *How first generation migrant youth navigate through the world of school-to-work transitions*.

1:20 Ben Rogaly*, University of Sussex, *Disrupting migration stories: reading life histories through the lens of mobility and fixity*.

1:40 Susan Thieme*, University Of Zurich, *Student recruitment agencies in Nepal: Gatekeepers for studying abroad?*.

2:00 Mitchell Snider*, University of Kentucky, *Motility, Belonging and Exclusion: Latino Perspectives in Boston*.

1406. FQG: Methodologies of Intimate Writing I -- Methodological, Epistemological, and Ontological Questions (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Room 6, TCC, First Floor (Panel Session)

ORGANIZER(S): Courtney Donovan, San Francisco State University; Pamela Moss, University of Victoria

Panelists: Courtney Donovan, San Francisco State University; Kathryn Gillespie, University of Washington; Robyn Longhurst, University of Waikato; Maral Sotoudehnia, University of Victoria; Dana Cuomo, Pennsylvania State University; Kelsey Hanrahan, University of Kentucky

1407. FQG: Trans* Geographies (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Max Andrucki, Temple University

CHAIR(S): Johan Andersson, King's College London

12:40 Signe Bremer, PhD*, Uppsala University, *Transgender killjoys; emotions, resistance and bodily vulnerability in feminist and lesbian separatist spaces*.

1:00 Max Andrucki*, Temple University, *Remaking Domesticities: Materializing Identities in Trans* Homespaces*.

1:20 Petra Doan*, Florida State University, *The Tyranny of Gendered Planning: the Need for Transgender Safe Spaces*.

1:40 Nadzeya Husakouskaya*, Centre for Women's and Gender Research, University of Bergen, Norway, *Navigating public spaces and negotiating time in urban Gauteng: Transgender experiences of 'transition' in South Africa*.

Discussant(s): Jen Jack Giesekeing, Bowdoin College

1408. Changing Landscapes and Livelihoods in the Amazon Basin I (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Clark Gray, University of North Carolina at Chapel Hill; Christian Abizaid, University of Toronto

CHAIR(S): Steve Aldrich

12:40 David S Salisbury*, University Of Richmond; Diego B Leal, University of Richmond; Andrea B Chavez, Universidad Nacional de Ucayali; Bertha Balbin Ordaya, PanAmerican Institute of Geography and History, Peru Commission; A. Willian Flores de Melo, Universidade Federal do Acre; Pedro Tipula Tipula, Instituto del Bien Comun, *Cartography, Corridors, and Cooperation: The Search for Transboundary Solutions in the Amazon Borderlands*.

1:00 Sara Diamond*, University of Texas; Kenneth R. Young, PhD, University of Texas; Eugenio Arima, PhD, University of Texas, *Resource Management and*

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Floods: Livelihoods in the Western Amazon.

1:20 Christian Abizaid*, University of Toronto, *Living with environmental change in the Upper Amazon: A longitudinal study of floodplain dynamics and riverine livelihoods along the Ucayali River.*

1:40 Mya Sherman, MA Candidate*, McGill University; James Ford, PhD, McGill University, *Vulnerability and Adaptive Capacity of Community Food Systems in the Peruvian Amazon: A case study from Panaillio.*

2:00 Jason Davis*, Carolina Population Center, University of North Carolina, Chapel Hill; Clark Gray, University of North Carolina, Chapel Hill; Richard Bilsborrow, University of North Carolina, Chapel Hill, *Fertility Transition in the Ecuadorian Amazon: Progress and Barriers for Indigenous Women.*

1409. International Public Policy and GIS Applications (Sponsored by GIScience, GIS, and Public Policy)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): Jennifer S Holmes

CHAIR(S): Denis J Dean, University of Texas at Dallas

12:40 Jennifer S Holmes*, University of Texas at Dallas; Denis J Dean*, University of Texas at Dallas, *"What stops the balloon effect?"*.

12:55 Anthony Cummings*, University of Texas at Dallas; Annette Arjoon, Guyana Marine Turtle Conservation Society; Roxroy Bollers, Iwokrama International Center for Rainforest Conservation and Development, *Protecting Crabwood: An Account Of Indigenous Peoples' Efforts To Map The Distribution Of Carapa Guianensis To Secure Traditional Lands.*

1:10 Dohyeong Kim, PhD*, The University of Texas at Dallas; Marc Serre, PhD, University of North Carolina at Chapel Hill, *Spatial Mapping of Community-Level Child Immunization Coverage for Targeted Policy Interventions in Bangladesh.*

1:25 Adam Yeeles*, University of Texas at Dallas, *The Shape of Public Administration: Local Government Geography and Public Spending in the Philippines.*

Introducer: Denis J Dean

1:50 Patrick T. Brandt*, The University of Texas, Dallas, *Implementing a Spatio-temporal indexing scheme to improve analyses with GDELT.*

Discussant(s): Denis J Dean, University of Texas at Dallas

1410. Epistemologies of Violence: Critical engagements across space, time and sites of difference (III) (Sponsored by Geographic Perspectives on Women Specialty Group, Animal Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Amy Piedalue, University of Washington; Kathryn Gillespie, University of Washington

CHAIR(S): Amy Piedalue, University of Washington

12:40 Phil Arkow*, National Link Coalition, *temp.*

1:00 Jo Little*, University of Exeter, *Domestic Violence, Mobility and Human Non-Human Relations in Rural Areas.*

1:20 Amber Murrey-Ndewa*, University of Oxford, *It's Always a Mystery with the Oil Companies! Witchcraft and Structural Violence Along the Chad-Cameroon Oil Pipeline.*

Discussant(s): Amy Piedalue, University of Washington

1411. Political Ecology and Race I: Environmental Injustice and Activism (Sponsored by Cultural and Political Ecology Specialty Group, Racism and Violence)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Richard Milligan, University of Georgia; Levi Van Sant, university of georgia

CHAIR(S): Brian Williams, The University of Georgia

12:40 Jessi Quizar*, University of Southern California, *Nature and Freedom: Environmentalism, Survival, and Black-Led Urban Farming in Detroit.*

1:00 Tracy Perkins, M.S., M.A.*, UC Santa Cruz, *The Politics of Race in Environmental Decision Making: Unitary Frames and Diverse Realities in California Environmental Justice Advocacy.*

1:20 Richard Milligan*, University of Georgia, *Watershed Subjects and the Territory of Biopolitics: The Political Materiality of Whiteness and a Southeastern US River Basin.*

1:40 Brittany Davis*, Middle Tennessee State University / University of Arizona, *Divers or Locals?: Coral Reefs and Marine Conservation on Utila, Honduras.*

Discussant(s): Laura Pulido, University of Southern California

1412. Spatiotemporal Thinking, Computing and Applications 3: Pattern Dynamics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University; Diansheng Guo, UNIVERSITY OF SOUTH CAROLINA

CHAIR(S): May Yuan, Univ of Oklahoma

12:40 Monsuru Adepeju*, University College London, *Detection of Space-Time Crime Patterns for Predictive Policing.*

1:00 Nasser A Alsaaran, Ph.D*, King Saud University, *Spatial patterns of temporal trends in annual rainfall over the Arabian Peninsula.*

1:20 Michael Niedzielski*, University of North Dakota; Mark Horner, Florida State University, *Variations in accessibility patterns by age, income, and occupation in the Minneapolis metropolitan area, 2002-2011.*

1:40 Sang Wook Lee*, Seoul National Univ. GSES; Kyung-min Kim, Seoul National Univ. GSES, *The Characteristics of Distribution and Clustering pattern of the Creative Industries in Seoul, South Korea.*

2:00 Xiangyu Jiang*; Eun-Hye Yoo, *Spatiotemporal Contextual Units for Environmental Exposure Study.*

1414. Networking: Promoting Yourself by Making Connections that Count (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Niem Huynh, Association of American Geographers

Discussant(s): Niem Huynh, Association of American Geographers

1415. Redistributed Manufacturing and the Emergence of New Economic Geographies: Innovation, Energy Costs, Sustainability, Reshoring and Digital Fabrication (II) (Sponsored by Scale and Sustainability, Economic Geography Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Vida Vanchan, Buffalo State College; John Bryson, University of Birmingham

CHAIR(S): John Bryson, University of Birmingham

12:40 Doug Gress*, Seoul National University, *Economic Geography in 3D: Theoretical implications from additive manufacturing.*

1:00 Hyejin Yoon, PhD*, Department of Geography, University of Wisconsin-Milwaukee; Yeonmi SEO, PhD, Korea Research Institute for Human Settlements, *New Regional Path Creation of Second-tier City: Industrial City to Media City in Busan, South Korea.*

1:20 Yu-Kai Liao*, National Taiwan University, *Turning garbage into gold? Waste governance and recycling economy of e-waste in Taiwan.*

1:40 Malte Lech*, Institute of Economic and Cultural

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Geography, University of Hannover; Daniel Schiller, Lower Saxony Institute for Economic Research; Javier Revilla Diez, Institute of Economic and Cultural Geography, University of Hannover, *Environmental change and strategic adaption: A firm-level perspective on the post-crisis economy of the Chinese Pearl River Delta*.

Discussant(s): Vida Vanchan, Buffalo State College

1416. Environment and Migration: Case Studies and Education Issues (Sponsored by Population Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Nancy K. Torrieri, U.S. Bureau Of the Census
CHAIR(S): Todd Lindley

12:40 John R Weeks, Ph.D.*, San Diego State University; Douglas A Stow, Ph.D., San Diego State University; Lopez-Carr David, Ph.D., University of California, Santa Barbara; Ryan Engstrom, Ph.D., George Washington University; Coulter Lloyd, MA, San Diego State University; Sory Toure, MS, San Diego State University; Nicholas Ibanez, San Diego State University; Foster Mensah, MA, University of Ghana, *Environmental Drivers of Internal Migration In Ghana*.

1:00 Mathew Hauer*, University of Georgia, *Climate Change Refugees and Migration Patterns: Lessons from Hurricane Katrina*.

1:20 Jérémie Guélat*, University of Neuchâtel, *Migration, displacement and immobility associated with extreme events: insights from the Philippines*.

1:40 Todd Lindley, Assistant Professor*, *'Teaching' migration to migrants: A critical reflection on teaching geography in the 21st century intercultural classroom*.

1417. Real-time GIS: System and Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Huayi Wu, Wuhan University; Xuan Shi, University of Arkansas

CHAIR(S): Huayi Wu, Wuhan University

12:40 Paul J. Doherty, PhD*, Esri Disaster Response Program; Cassie Hansen, University of Nevada Reno, *From Sensor to Incident Commander: The 2013 Silver Fire*.

1:00 Benjamin D Hennig*, University of Oxford, UK; Simon D Hennig, Astrium Services, Infoterra GmbH, Friedrichshafen, Germany; Ben Mayhew, Astrium Services, Infoterra GmbH, Friedrichshafen, Germany, *Visualization of Satellite Data Availability: TerraSAR-X and TanDEM-X Running Against Time*.

1:20 Daniel Morath*, University of South Carolina, *Leveraging Citizen Sensors and VGI for Disaster Management: Promises and Pitfalls*.

1:40 Shufan Liu*, University of South Carolina, Department of Geography; Michael E. Hodgson, University of South Carolina, Department of Geography; Sarah Battersby, University of South Carolina, Department of Geography, *Intelligent GIServices for Hazard Emergency Response*.

2:00 Huayi Wu*, Wuhan University, *Real-time GIS: Bridging the future trillion sensors to time-critical applications*.

1418. Festschrift for Dr. Gerard Rushton by his former students and colleagues: 2. Medical Geography.

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Alan Phipps, University of Windsor

CHAIR(S): Chetan Tiwari, University of North Texas

12:40 Sara McLafferty*, University of Illinois, *Filling the Gaps? Locational Analysis of Internationally-trained Primary Care Physicians*.

1:00 Kevin A. Matthews, MS*, University of Iowa; Anne H. Gaglioti, MD, University of Iowa, Department of

Family Medicine; Gerard Rushton, PhD, University of Iowa, Department of Geography; Barcey T. Levy, MD/PhD, University of Iowa, Department of Family Medicine; Charles F. Lynch, MD/PhD, University of Iowa, Department of Epidemiology, *Identifying areas with persistently high late-stage colorectal cancer incidence rates to improve targeted prevention and screening interventions: An Iowa example*.

1:20 Ellen K. Cromley, PhD*, Department of Community Medicine, University of Connecticut School of Medicine; Maureen Wilson-Genderson, PhD, Virginia Commonwealth University; Zachary Christman, PhD, Rowan University; Rachel A. Pruchno, PhD, Rowan University, *Colocation of Older Adults with Successful Aging Based on Objective and Subjective Measures*.

1:40 Aniruddha Banerjee*, IUPUI, UC Berkeley, *Beyond Euclidean Maps: Simultaneous Thinking, Networks and Rushton's "Leitwissenschaft" (A Leading or Guiding Science)*.

2:00 Gerard Rushton, PhD*, University of Iowa, *Location Selection, Spatial Choice and GIS: identifying hard questions*.

1419. Assembling life at the "margin": Critical assemblage thinking and urban marginality - Part I: Rethinking urban marginality

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Michele Lancione, UTS

CHAIR(S): Michele Lancione, UTS

12:40 Arnoud Legendijk*, Radboud University Nijmegen; Freek de Haan, Radboud University; Huib Ernste, Radboud University; Rianne van Melik, Radboud University, *Gentrification as inclusive neighbourhood development? Exploring potentialities through counter-actualisation*.

1:00 Jean-Baptiste Lanne*, Ecole Normale Supérieure de Lyon, *Deleuze goes to Nairobi: Festivity as assemblage in the Kibera slum*.

1:20 Kim Dovey*, University of Melbourne, *Informal Settlement as Complex Adaptive Assemblage*.

1:40 Eric Sarmiento*, Rutgers University, *Decolonizing gentrification: Architectural and infrastructural actors in Oklahoma's local food movement*.

Discussant(s): Michele Lancione, UTS

1420. Imagined Nature and Environmentalism in Patagonia, Part 1

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): Marcos Mendoza, University of Mississippi; Robert Fletcher, University for Peace

CHAIR(S): Robert Fletcher, University for Peace

12:40 Laura Ogden*, Florida International University, *Speculative Wonder at the World's End*.

1:00 Robert Fletcher*, University for Peace, *Let My People Go Surfing: Patagonia as Neoliberal Imaginary*.

1:20 Marcos Mendoza*, University of Mississippi, *Scientific Sustainability: Land Management, Ideological Rupture, and Environmental Capitalism in Patagonia*.

1:40 Carlota Mcallister, Associate Professor*, York University, *Pumas with Cameras: Naturalizing Capitalism on the Patagonian Frontier*.

2:00 George Holmes*, University of Leeds, UK, *Selling Patagonia or Saving Patagonia? Private protected areas and capitalism in southern Chile*.

1421. Critical Reflections on Mental Health and Wellness in the Academy I

Room: Room 21, TCC, First Floor (Panel Session)

ORGANIZER(S): Linda Peake, York University; Beverley Mullings, Queen's University

CHAIR(S): Kate Parizeau, University of Guelph

Panelists: Linda Peake, York University; Beverley Mullings, Queen's University; Kate Parizeau, University of

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Guelph; Lawrence D Berg, University of British Columbia

1422. Teaching with Next Generation GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group)Room:

Room 22, TCC, First Floor (Panel Session)

ORGANIZER(S): David DiBiase, Esri

CHAIR(S): David DiBiase, Esri

Discussant(s): Michael F. Goodchild, University of California - Santa Barbara

Panelists: Shaowen Wang, University of Illinois at Urbana-Champaign; Sarah Battersby, University of South Carolina; David Smith, University of Redlands

1423. Paleorecords III. Human-Environment Interactions in Mexico and Central America (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Sally P. Horn, University Of Tennessee; Michelle Goman, Sonoma State University; Catherine Yansa, Michigan State University

CHAIR(S): Sally P. Horn, University Of Tennessee

12:40 Michelle Goman*, Sonoma State University; Arthur A Joyce, University of Colorado, Boulder; Gracie Lock, Sonoma State University; Victor Emmanuel Salazar Chavez, Sonoma State University; Daniel Viera, Sonoma State University, *Landuse Reconstructions at El Charquito and Charco Lavado, Oaxaca, Mexico..*

1:00 Victor Emmanuel Salazar Chavez*, Sonoma State University; Michelle Goman, Sonoma State University; Arthur A Joyce, University of Colorado-Boulder, *Paleoecological Investigations at Laguna Espejo, Oaxaca, Mexico.*

1:20 Gracie Lock*, Sonoma State University; Michelle Goman, Sonoma State University; Arthur A Joyce, University of Colorado, Boulder; Victor Emmanuel Salazar Chavez, Sonoma State University; Guy Hepp, University of Colorado, Boulder, *Salinas: Expanding Our Understanding of Prehistoric Land Use in the Coastal Zone of the Lower Rio Verde Valley, Oaxaca, Mexico..*

1:40 Matthew T. Kerr*, The University of Tennessee; Sally P. Horn, The University of Tennessee; Chad S. Lane, University of North Carolina Wilmington, *Stable Isotope Analysis of Land-Use History at Laguna Santa Elena, Costa Rica.*

2:00 Tripti Bhattacharya*, Department of Geography, University of California, Berkeley; Roger Byrne, Department of Geography, University of California, Berkeley; Kurt Wogau, Centro de Geociencias, U.N.A.M., Campus Juriquilla, Queretaro; Harald Boehnel, Centro de Geociencias, U.N.A.M., Campus Juriquilla, Queretaro, *Late Holocene drought in the Cuenca Oriental of Mexico: implications for cultural change and climatic teleconnections.*

1424. Curricular Redesign, Innovation and Action for Student Success in Changing Times (2) (Sponsored by Jobs and Careers, Geography Education Specialty Group)

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Dawn Hawley, Northern Arizona University

CHAIR(S): Sandra L Clark, Bridgewater State College

Introducer: Sandra L Clark

12:45 Lanna Giauque*, University of Denver, *Programming Success: Idle Reduction in Schools.*

12:54 Kevin Czajkowski*, University of Toledo; Janet Struble, The University of Toledo, *An Intervention Model for Including Scientists in Teacher Professional Development.*

1:03 Dawn Hawley, Ph.D.*, Northern Arizona University, *Preparing Future Professionals: Technology, Interagency Partnerships and Applied Professional Skills in Curriculum.*

1:12 Robert Legg*, Northern Michigan University, *Redeveloping undergraduate curriculum by applying strategies in active learning (techniques, issues, teaching and technology).*

1:21 Marvin Davis*, West Virginia University, *Immersive GeoDesign: Examining the built environment through the coupling of GeoDesign, 3D modeling and immersive geography.*

1:30 James G Hamilton*, New Mexico State University, *Promoting Spatial and Environmental Literacy with Virtual Globe Software.*

1:39 Miriam L Fearn, Associate Professor*, University of South Alabama; Karen J Jordan, Senior Instructor, University of South Alabama, *Team Based Learning in Physical Geography.*

1:48 Sandra L Clark, Ph.D.*, Bridgewater State University, *Doing More with Less: Acquiring and Implementing Effective Labs in Physical Geography.*

1430. Advances and Challenges in Digital Elevation Models III (Remote Sensing) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey

CHAIR(S): John Brock, USGS

12:40 Bruce V. Millett*, South Dakota State University; Janet Gritzner, South Dakota State University, *Integrating GPS Survey Data into LIDAR LAS Dataset Processing.*

1:00 Cindy Thatcher*, USGS; Jeffrey J. Danielson, USGS Earth Resources Observation and Science (EROS) Center; Dean Gesch, USGS Earth Resources Observation and Science (EROS) Center; Dustin Kimbrow, USGS Alabama Water Science Center, *The Use of GPS and Terrestrial Lidar Data to Evaluate the Accuracy of Bare Earth Airborne Lidar in Wetland Habitats.*

1:20 Samriddhi Shakya*, Auburn University; Luke Marzen, Auburn University; Chandana Mitra, Auburn University; Sam Fowler, Auburn University, *Integrating multispectral imagery and LiDAR data to classify isolated wetlands using Geographic Object Based Image Analysis (GeOBIA).*

1:40 Tao Tang*, State University of New York - Buffalo State; Lixian Dai, Wendel Engineering Consulting Company, *Comparison of point-based and object-based urban building feature extractions applying airborne LiDAR data.*

2:00 Vijay Lulla*, *Levee Identification from LiDAR data.*

1431. Measurement and modeling of environmental degradation and pollution (Sponsored by Remote Sensing Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Andrew Thorpe, University of California, Santa Barbara

CHAIR(S): Andrew Thorpe, University of California, Santa Barbara

12:40 Sandra Garren*, University of South Florida, *Greenhouse Gas Emissions in Florida (2000 to 2010) and Implications for State Climate Policy.*

1:00 Robert Stewart, Ph.D.*, Oak Ridge National Laboratory; Amy Rose, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Spatial Analysis and Decision Assistance: A Free Program Integrating LandScan High Resolution Population*

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- 1:20** Shoumik Rahman*, *Identification Of Sources Of PM2.5 In Greenville, SC Using Potential Source Contribution Function.*

- 1:40** Guoqing Yin*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Evolution of Carbon Emission of Fossil Fuel Final Consumption in China: Industrial - Spatial Perspective.*

- 2:00** Greg A. Barron-Gafford, PhD*, University of Arizona, School of Geography & Development; College of Science Biosphere 2, Institute of the Environment; Rebecca L. Minor, Biosphere 2, College of Science, University of Arizona; Nathan Allen, Biosphere 2, College of Science, University of Arizona; Maggie Heard, Biosphere 2, College of Science, University of Arizona; Adria E. Brooks, Department of Physics, University of Arizona; Alex Cronin, PhD, Department of Physics, University of Arizona; Mitchell Pavao-Zuckerman, PhD, Biosphere 2, College of Science, School of Natural Resources and the Environment, University of Arizona, *Heat Islanding Around Solar Energy Installations ~ Valid Concern or Unnecessary Worry About Renewable Energy Expansion.*

1432. Behavioral and psychological responses to weather in everyday life (Part III: Weather and transportation) (Sponsored by Geographies of Climate Change)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Mario Cools, LEMA, Université de Liège; Lars Bocker

CHAIR(S): Lars Bocker

- 12:40** Mario Cools*, LEMA, Université de Liège; Sabine Limbourg, HEC ? Management School, Université de Liège, *Climatological influences on inland waterway transport capacity.*

- 1:00** Lieve Creemers*, Hasselt University - Transportation Research Institute (IMOB); Geert Wets, Hasselt University - Transportation Research Institute (IMOB); Mario Cools, LEMA - University of Liège, *Meteorological variation in travel behaviour.*

- 1:20** Lars Bocker, MSc*, Utrecht University; Martin Dijst, Prof. Dr., Utrecht University; Jan Faber, Dr., Utrecht University, *Weather and transport mode choices: the role of thermal experiences and emotions.*

- 1:40** Chengxi Liu*, KTH Royal Institute of Technology; Yusak Susilo, KTH Royal Institute of Technology; Anders Karlström, KTH Royal Institute of Technology, *An investigation of region difference of weather impacts on the non-commuters' daily activity travel pattern in Sweden.*

Discussant(s): Martin Dijst

1433. Applied GIS, Geographic Education, Medical Geography

Room: Room 33, TCC, Fourth Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Vanessa Slinger-Friedman, Kennesaw State University

- 12:40** WENJIE SUN, Ph.D.*, Carthage College; Bo Zhang, Ph.D., Beijing University, *Exploring the Spatial and Temporal Patterns of Residential Real Estate Transactions in Milwaukee and Waukesha Counties, WI 2000-2011 Using GIS.*

- 12:45** Muning Wang*, University of Washington, *An empirical suitability assessment of siting VGI in government decision-making.*

- 12:50** Timothy C. Kelleher*, Florida State University, *Optimality Modeling New Prison Siting.*

- 12:55** Craig Benson*, SUNY GENESEO, *Identifying New York State School District Achievement Outliers.*

- 1:00** Caitlin Strachan*, University of South Carolina; Jerry Mitchell, PhD, University of South Carolina, *Teachers' Perceptions of Esri Story Maps as Effective Teaching Tools.*

- 1:05** Tonya Farrow-Chestnut*, Health Geography & Urban and Regional Planning, *Applications of network methods and GIS mapping in community health needs assessments.*

- 1:10** Evan C. Gover*, Penn State University; Brian H. King, Penn State University; Margaret Winchester, Penn State University, *HIV/AIDS and Natural Resource Collection in Rural South Africa.*

- 1:15** Georgia Davis Conover*, University of Arizona, *Mapping the Lyme Wars.*

- 1:20** Jennifer D Bell*, UGA, *BMI and POPs: Association of persistent organic pollutants with increasing obesity rates in the United States.*

- 1:25** Kristin L. Stewart*, FSU, *Where Does Spiritual Support Fit in a Shifting US Healthcare Landscape?.*

- 1:30** Vanessa Slinger-Friedman, Ph.D.*, Kennesaw State University, *An Iterative design model for improving online interactive modules in a human geography course.*

1434. The Human Dimension of Urban Planning

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Per Gunnar Røe, University of Oslo, Department of Sociology and Human Geography

- 12:40** Francisco J. Llera, Ph. D.*, Universidad Autonoma de Ciudad Juarez; Angeles Lopez-Norez, Master, Universidad Autonoma de Ciudad Juarez; Candyyce Berger, Ph. D., University of Texas at El Paso; Diego Sanchez-Gonzalez, Dr., Universidad Autonoma de Nuevo Leon, *Gerontological Urban Planning In Mexico: Health Challenges for the Urban Elderly in the Mexican Border City of Juarez, Chihuahua.*

- 1:00** Ståle Holgersen*, Lund University, *Urban planning as condensation of social relations - in times of crises.*

- 1:20** Denisse Andrade*, The Graduate Center, CUNY, *The Neoliberal Ways: Aesthetics and Infrastructure in San Jose, Costa Rica.*

- 1:40** Per Gunnar Røe*, University of Oslo, Department of Sociology and Human Geography, *The Social Context and Politics of Large Scale Urban Architecture - investigating the case of Barcode, Oslo.*

1435. Geography Education in Turkey (Sponsored by Geography Education Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Fikret Tuna, Fatih University; Adem Ozder; Yusuf KILINC, Marmara University

CHAIR(S): Fikret Tuna, Fatih University

- 12:40** Fikret Tuna*, Fatih University, Department of Geography, 34500 Buyukcekmece - Istanbul, *To What Extent Does Active Learning Contribute To Geography Education? A Sample of Two Methods.*

- 1:00** Adem Ozder*, Suleyman Sah University, 34865 Kartal-Istanbul, *Basics of Geography Education in Turkish Republic Of Northern Cyprus.*

- 1:20** Yusuf KILINC*, Marmara University, Department of Geography Education, Goztepe - Istanbul, *A Qualitative Research on Undergraduate Geography Students' Competencies about Teaching Methods and Techniques.*

- 1:40** Muhammet Yasir Aydogmus*, Dicle University, *Advising Process in postgraduate Geography Education: The Case of Turkey.*

- 2:00** Huseyin Kaya*, Süleyman Demirel University; Ismail Kervankiran; Nurettin Bilgen, *Attitudes of Primary School Students Towards Sustainable Environment.*

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1439. Historical geographic information handling, analysis and visualization (Sponsored by Cyberinfrastructure Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Kai Cao

CHAIR(S): Kai Cao

Introducer: Kai Cao

12:45 Kai Cao*, Department of Geography, National University of Singapore, *One historical studies archive and visualization solution for creating new knowledge.*

1:00 Yongqin Guo*, Fudan University, Shanghai, *Community self-defense system and population census in China during 16~17 centuries through GIS method.*

1:20 Javier A Arce-Nazario, Ph.D.*, UPR Cayey, *Georectifying historical imagery for watershed science, education, policy and outreach.*

1:40 Sinclair Sheers*, George Mason University, *How Historical Maps Show Murder Bay in Downtown Washington, D.C. Changing to Federal Triangle.*

1440. Urban Sustainability I: Tracing Asian Green Urbanism in a Global Context (Sponsored by Asian Geography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): I-Chun Catherine Chang, University of Minnesota; Sofia Shwayri

CHAIR(S): Sofia Shwayri

12:40 Sofia T Shwayri, Ph.D.*, *Transnational Networks in the (Re)Production of a Ubiquitous Ecocity.*

1:00 I-Chun Catherine Chang*, University of Minnesota, *Mobile Chinese Eco-Urbanism: Assemblage, Mutation and Inter-referencing.*

1:20 Glen Kuecker, PhD*, DePauw University, *The Global Circulation of the Eco City Concept: A Power/Knowledge Perspective.*

1:40 Paul D Mullins*, Seoul National University; Sofia Shwayri, *The New Planned Cities of Korea: One or Multiple forms of a Green City Model?.*

2:00 Nida Rehman*, Pennsylvania State University; Aparna Parikh, Pennsylvania State University, *Disparate Trajectories: Comparing Approaches to Urban River Projects in South Asia.*

1454. Material Culture and Geography I: Borders and Historical Landscapes (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)

Room: Grand Salon C, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Sara Keough, Saginaw Valley State University

CHAIR(S): Sara Keough, Saginaw Valley State University

12:40 Kelsey Marie Carlson*, Department of Geography, Maxwell School of Syracuse University; Gareth E. John*, St. Cloud State University, Minnesota, *Landscapes of Triumphalism and Reconciliation: Materially re-inscribing Indian-settler relations since the Dakota-US War of 1862.*

1:00 Yi-Chia Chen*, University of Colorado Denver, *Irony In The Landscape: Shaping a Cold-War Battlefield For Heritage Tourism.*

1:20 Ray Oldakowski*, Jacksonville University, *The Cultural Geography of US State Borders.*

1:40 Beth Schlemper*, University of Toledo, *Regions, Borders, and Identity: The Holyland of East-Central Wisconsin.*

1455. Location Privacy: Paper Session - C (Sponsored by Geographic Information Science and Systems Specialty Group, Military Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Dr. Melissa Rura, United Methodist

Neighborhood Centers of Memphis; Bandana Kar, University of Southern Mississippi

CHAIR(S): Bandana Kar, University of Southern Mississippi
12:40 Linna Li*, California State University, Long Beach, *Geoprivacy and location disclosure.*

1:00 Patti Day, Ph D*, University of WI-Milwaukee, *Access to Geographic Information in Wisconsin, USA: Law, Politics and Power.*

1:20 Brendan Gaughen*, University of Texas, *Tracking Objects, Tracking Lives: New Facets of Mobility and Surveillance.*

1:40 Michael Tully*, Aerial Services, Inc.; Michael Peter Tully, Aerial Services, Inc., *The Rise of the [Geospatial] Machines: The Future with Unmanned Aerial Systems (UAS).*

1456. Data Shadows and Urban Augmented Realities (Session 3: Tracking Data Shadows) (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Communication Geography Specialty Group)

Room: Grand Salon E, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Mark Graham, University of Oxford; Matthew Zook, University of Kentucky

CHAIR(S): Mark Graham, University of Oxford

12:40 David A. Parr*, Texas State University-San Marcos, *The Digital Divide in Volunteered Geographic Information.*

1:00 Grant Blank*, University of Oxford; Mark Graham*, University of Oxford; Claudio Calvino*, Oxford Internet Institute; Stefano De Sabbata, University of Oxford, *Measuring Digital Inequality Through Social Media Data Shadows?.*

1:20 Stefano De Sabbata*, University of Oxford; Claudio Calvino, University of Oxford, *Mapping event mediations: exploring the variable data shadows of social media and traditional media.*

1:40 Matthew Zook, Ph.D.*, University of Kentucky; Ate Poorthuis, University of Kentucky, *To Tweet or not to Tweet? Exploring the Demographic Data Shadows of Twitter.*

1458. Historic and Modern Aspects of Cartography

Room: Grand Salon G, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mark Monmonier, Syracuse University

12:40 Alexandre Nobajas, Lecturer in Human Geography*, Keele University; Jesús Burqueño, Universitat de Lleida; Carme Montaner, Institut Cartogràfic de Catalunya; José Ignacio Muro, Universitat Rovira i Virgili; Francesc Nadal, Universitat de Barcelona; Luis Urteaga, Universitat de Barcelona; Tomás Vidal, Universitat de Barcelona; José Luis Villanova, Universitat de Girona, *Cadastral Cartography and Surveying in Catalonia (1845-1895).*

1:00 George Juszynski*, Western Washington University; Jacob Lesser, Western Washington University, *A Digital Sketch Mapping Tool to Capture Personal and Collective Geographies of A Therapeutic Landscape.*

1:20 Deborah Lyn Kirk, PhD Candidate, Geography*, West Virginia University, *Visualizing the Cherokee Homeland through Indigenous Historical GIS: An Interactive Map of James Mooney's Ethnographic Fieldwork and Cherokee Collective Memory.*

1:40 Sven Fuhrmann*, Texas State University, *Aesthetic Maps: Naïve Map User Perspectives.*

2:00 Mark Monmonier*, Syracuse University, *Cartographic Creativity: Patents Awarded for Printed Maps between 1840 and 2012.*

1459. Emerging Scholars in Ethnic Geography (Sponsored by Ethnic Geography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Matthew Cook, The University of Tennessee

CHAIR(S): Matthew Cook, The University of Tennessee

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- 12:40** Ana I. Sanchez-Rivera, MA*, University of Maryland-College Park, *Dominicans in Puerto Rico: Settlement Patterns and Discrimination based on Skin Color.*
- 1:00** Christabel Devadoss*, Kent State University, *Deconstructing "Asian Indian": Visual and Soundscape representations.*
- 1:20** Shelley Grant*, Queen Mary University of London, *'Multiculturalism has failed', long live multiculturalism! Assessing assumptions of UK immigrant integration through a review of family building trends.*
- 1:40** Dylan Simone*, University of Toronto; Alan Walks, PhD, University of Toronto, *Analyzing household indebtedness and socio-spatial polarization in Canadian Cities.*
- 2:00** Graciela Sandoval*, Texas State University, *Ecological approach to health and healing: An exploratory study on Latinas' perceptions of health disparities in Central Texas.*

1460. American Odyssey: Historical Geographies of North America (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group)

- Room:* Grand Salon I, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Craig Colten, Louisiana State University
CHAIR(S): Geoffrey L. Buckley, Ohio University
- 12:40** William E Doolittle*, University of Texas, *First Nations Landscape Transformations: New Narrative.*
- 1:00** Jeffrey Smith*, Kansas State University, *North America's Colonial European Roots, 1492 to 1867.*
- 1:20** Craig Colten*, Louisiana State University, *Redirecting Water and Transforming the Hydrological Landscape.*
- 1:40** Geoffrey L. Buckley*, Ohio University, *Historical Geography of the Environment: Twenty Years of Progress.*
- Discussant(s): Karl Byrand, University of Wisconsin Colleges

1461. Rethinking 'Territory' Beyond the State? (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:* Grand Salon J, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Teo Ballve, UC Berkeley; Christian Lentz, UNC Department of Geography; Joseph Bryan, Department of Geography, University of Colorado, Boulder
CHAIR(S): Christian Lentz, UNC Department of Geography
- 12:40** Ian Baird*, The University of Wisconsin - Madison, *Princes without a Principality: 'Nonstate Royals', The House of Champassak, the Politics of Recognition, and Territorialization.*
- 12:55** Joseph Bryan*, Department of Geography, University of Colorado, Boulder, *Dispossession, Territory, and Rights: A Performative Approach to Postcolonial Justice in Indigenous Rights.*
- 1:10** Christian C. Lentz, PhD*, UNC Department of Geography, *Decolonizing territories: Dien Bien Phu and everyday struggles.*
- 1:25** Courtney Work*, Cornell University, *The Poetics of Ownership: Notes from the final enclosure in Cambodia.*
- Discussant(s): Teo Ballve, UC Berkeley

1466. Culture, Agriculture and Tradition I: Species, Diversity and Local Knowledge (Sponsored by Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:* Florida Salon V, Marriott, Second Floor (Paper Session)
ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): Kirstie Cadger, University of Toronto
- 12:40** Fausto O. Sarmiento, Ph.D.*, University of Georgia,

Critical Biogeography of the Northern Andean Highlands.

- 1:00** Ryan Scott Anderson*, University of Wyoming; Steven D. Prager, University of Wyoming, *Simulating agriculture management strategies to understand conservation best practices in rainfed agroecosystems.*
- 1:20** Vincent Ricciardi*, Pennsylvania State University, *Effects of crop introduction on informal seed systems in Northern Ghana: a social network approach.*
- 1:40** Anthony R. Cummings, University of Texas, Dallas; Jane M. Read*, Syracuse University, *Landscape diversity and species distribution: Accounting for land tenure classes in the sustainable management of Amazonia's multiple-use plant species.*
- 2:00** Kirstie F Cadger, MA Candidate*, Department of Geography, University of Toronto; Marney E Isaac, PhD, Assistant Professor, Department of Geography, University of Toronto, *Development Interventions and Agrarian Adaptation in a Changing Environment: A social network analysis of farmer knowledge transfer in Ghana.*

1467. The End of Peasant Revolutions? Peasant Movements in a Global Corporate World (I) (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)

- Room:* Florida Salon VI, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Adrienne Johnson, Clark University; Alejandro Camargo, Syracuse University
CHAIR(S): Adrienne Johnson, Clark University
- 12:40** Mitul Baruah, Doctoral Candidate*, Department of Geography, Syracuse University, *Re-conceptualizing resistance: an analysis of the politics of environmental struggles in India's northeast.*
- 1:00** Emma K McDonell*, Indiana University, *Indigeneity in the Neoliberal Era: Anti-Mining Protests in Puno, Peru.*
- 1:20** Benno Haupt*, University of Kiel, *Scales of Justice in Bolivian Peasant Movements: Components for an Analytical Framework.*
- 1:40** Solenn Lepeu*, *The new territorial challenges of Landless Movement (MST) in Brazil in 2013: facing necessary adaptations?.*
- 2:00** Dayna Cueva Alegria*, Indiana University, *The Role of State and Civil Society Engagement in Transforming the State-Society Boundary Configuration in Ayacucho, Peru.*

1468. REDDy or Not 1: Political Ecologies of Forest Carbon, Accumulation, and Resistance. (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Climate Change)

- Room:* Meeting Room I, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Kathleen McAfee, San Francisco State University; Wendy Miles, University of Hawaii at Manoa
CHAIR(S): Dianne E Rocheleau, Clark University
Introducer: Dianne E Rocheleau
- 12:43** Martha N Pskowski*, Hampshire College, *Fault lines in the Forest: the political ecology of REDD+ in Chiapas, Mexico.*
- 1:00** Kathleen McAfee*, San Francisco State University, *REDD Redemption, REDD Menace, or REDD Herring?.*
- 1:17** Julie Velasquez Runk*, University of Georgia, *Creating REDD+ and seeing green: Land rights, forest governance, and indigenous resistance in Panama.*
- 1:34** Dianne E Rocheleau, Professor*, Clark University, *A Non-REDD Response is possible: Existing and emerging alternatives.*
- 1:48** Manali Baruah*, University of South Carolina - Columbia,

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Privatization in guise of Decentralization in a Collaborative Resource Management Initiative: A case of CREMAs from Ghana.

Discussant(s): Jacqueline Vadjunec, Oklahoma State University; Diana Ojeda, Clark University

1469. **Race, Space and Other Predictive Factors for Violence (Sponsored by Racism and Violence)**

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Muriel Marseille

12:40 Aretina Hamilton*, University of Kentucky; Aretina Hamilton, University of Kentucky, *The Geographies of Black Masculinity*.

1:00 Lawrence M. Ibeh*, University of Munich, Germany, *Complexity thinking in a Territorialized Natural-Resource Related Violence: A Nigerian Oil Conflict case*.

1:20 Muriel Marseille*, Chicago State University, *On Sustainability and Poverty in Urban Chicago*.

1470. **Tourism Geography and Evolutionary Economic Geography: Panel Discussion (Sponsored by Recreation, Tourism, and Sport Specialty Group)**

Room: Meeting Room 3, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Patrick Brouder, Mid Sweden University & University of Johannesburg; Salvador Anton Clave, Rovira i Virgili University

CHAIR(S): Patrick Brouder, Mid Sweden University & University of Johannesburg

1471. **Lively commodities I. Industrious biologies (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Rosemary-Claire Collard, University of Toronto; Jessica Dempsey, University of Victoria; Jesse Goldstein, Graduate Center, CUNY

CHAIR(S): Paul Jackson, Dartmouth College

12:40 Camilla Royle*, *Materialism and non-human liveliness*.

1:00 Elizabeth Johnson, University of Exeter; Jesse Goldstein*, Graduate Center, CUNY, *The Natures Not Taken: Biomimicry and Its Unimagined Futures*.

1:20 Sophia Strosberg*, University of Kentucky, *The Rebellious Hookworm and the Infected Body*.

1:40 Eric Nost*, University of Wisconsin-Madison, *Optimizing nature: Ecosystem services modelling and markets in Oregon*.

Discussant(s): James McCarthy, Clark University

1473. **Robert Raskin Mashup Mapping Competition Finalist Oral Presentation (Sponsored by Cyberinfrastructure Specialty Group)**

Room: Meeting Room 6, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Wenwen Li, Arizona State University; Ming-Hsiang Tsou, San Diego State University

CHAIR(S): Wenwen Li, Arizona State University

Panelists: Wenwen Li, Arizona State University; Ming-Hsiang Tsou, San Diego State University; Jing Li, University of Denver; Qunying Huang, George Mason University; Zhenlong Li

1474. **Urban Geography and the American South (Sponsored by Study of the American South Specialty Group, The American South)**

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

ORGANIZER(S): The American South

CHAIR(S): Jill Stackhouse, Bemidji State University

12:40 Michal A Jaroszynski*, Florida State University; Jeffrey R Brown, PhD, Florida State University, *Adapting Transit Network Layout to Decentralized Urban Form*

in Small-Sized Metropolitan Areas: Case Study of Tallahassee, Florida.

1:00 Wei Tu, Ph.D.*, Georgia Southern University, *Census Tracts vs. MSSC-generated Geographic Areas- A Comparison Study of Preterm Birth in Georgia, USA Using Multilevel Models*.

1:20 Elisha J Dung*, Dept. of Humanities, Alabama State University, Montgomery, AL 36104; Leonard S Bombom, Oklahoma State University; Sunday D Goshit, University of Iowa; Paul Erhunmwunsee, Alabama State University; Taylor Noeller, Alabama State University; Yannick Kouaho, Alabama State University, *Implications of Sex Offenders' Restriction Laws in Montgomery, Alabama: A GIS Analysis*.

1:40 Jill Stackhouse*, Bemidji State University, *Beyond Onions: A Case Study of Vidalia, Georgia's Urban Development*.

1479. **Critical Geographies of "Corruption" and "Accountability" in Millennial Capitalism III (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Development Geographies Specialty Group)**

Room: Meeting Room 10, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Sapana Doshi, University of Arizona, Tucson; Malini Ranganathan, American University

CHAIR(S): Malini Ranganathan, American University

12:40 Erin Collins*, UC Berkeley Department of Geography, *Good Governance in the Shadow of State Socialism*.

12:57 Jennifer Tucker*, University of California, Berkeley, *Imaginaries of corruption and the politics of contraband in Ciudad del Este, Paraguay*.

1:14 Pronoy Rai*, University of Illinois, *Politics of Subaltern Participation in Democracy: Field Notes from Rural India*.

1:31 Sapana Doshi, PhD*, University of Arizona, Tucson; Malini Ranganathan, American University, *The Ethical City? Critical Geographies of Corruption, Accountability and Inequality in Urban India*.

Discussant(s): Wendy Wolford, Cornell University

1480. **Borders Beyond Securitization I: Rethinking the Lines that Bind Us (Sponsored by Urban Geography Specialty Group)**

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Margath Walker, University of Louisville

CHAIR(S): Margath Walker, University of Louisville

12:40 Bethany Eberle*, Syracuse University, *Misaligned borders and their effects on efforts to combat human trafficking*.

1:00 Margath Walker*, University of Louisville, *The hidden resources and opportunities of international borders*.

1:20 Jessica De La Ossa*, Dartmouth College, *Masculine care-spaces: Ethical subjectivities and citizenship along the US-Mexico border*.

1:40 Susan Hardwick*, University of Oregon, *Negotiating the Borderland: Migration, Américanité, and 'Belonging' in Francophone Canada*.

Discussant(s): Andrew Davies, University of Liverpool

1482. **Hazards, Risks, and Disasters S.G. Session: Flood Risk and Vulnerability (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Philip L. Chaney, Auburn University

CHAIR(S): Stephanie Hoekstra

12:40 Jonathan W.F. Remo, Ph.D.*, Southern Illinois University, Carbondale; Moe Mahgoub, Southern Illinois University, Carbondale; Elizabeth Ellison, Southern Illinois University, Carbondale; Nicholas Pinter, Ph.D., Southern Illinois University, Carbondale, *Assessing statewide-scale flood vulnerability in Illinois?*

1:00 Sara Abuzied*, Center for spatial analysis, University of Oklahoma, Norman, USA; Samia Ibrahim, Geology

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Department, Suez Canal University, Ismailia, Egypt; Mona Kaiser, Geology Department, Suez Canal University, Ismailia, Egypt; Tarek Seleem, Geology Department, Suez Canal University, Ismailia, Egypt; May Yuan, Center for spatial analysis, University of Oklahoma, Norman, USA, *Application of Remote Sensing and GIS Techniques for Flash Flood Risk Assessment: The Case of Nuweiba area, Gulf of Aqaba, Egypt.*

- 1:20** Melissa Wygant*, University of North Dakota; Paul E. Todhunter, Dr., University of North Dakota; Michael Niedzielski, Dr., University of North Dakota; Jeffery VanLooy, Dr., University of North Dakota, *A Place Vulnerability Analysis of Flood Hazard Risk and Vulnerability in Grand Forks, North Dakota: 1990-2010.*
- 1:40** Don Jonsson*, Austin Community College-Northridge Campus, *Flood Induced Human Displacement in Austin, Texas, USA.*
- 2:00** Stephanie Hoekstra*, East Carolina University; Burrell Montz, East Carolina University; Rachel Hogan Carr, Nurture Nature Center, *Flood Risk and Uncertainty: Assessing the Flood Forecast and Warning Tools of the National Weather Service.*

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1501. Weather, Climate, and Health III: A Wide Scope of Impacts (Sponsored by Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)

Room: Room 1, TCC, First Floor (Paper Session)

ORGANIZER(S): David M Hondula, The University of Virginia; Jennifer Vanos, Texas Tech University; Michael Allen, Kent State University

CHAIR(S): Michael Allen, Kent State University

- 2:40** Emma Lawlor, BA*, University of Arizona, School of Geography and Development; Margaret Wilder, PhD, University of Arizona, School of Geography and Development, *Exploring the Climate, Poverty, and Health Nexus among Farmworkers at the US-Mexico Border.*

- 2:55** Jill S. M. Coleman, Ph.D.*, Ball State University; Karen D. Multon, Ph.D., University of Kansas; Kaylee D. Newby, University of Kansas; Cynthia L. Taylor, University of Kansas, *Weathering the Storm: Severe Weather Phobia Occurrence and Severity.*

- 3:10** Christopher K Uejio, PhD*, Florida State University; Theodore W Peters, Geneva Lake Environmental Agency; Jonathan A Patz, MD, MPH, Nelson Institute Center for Sustainability and the Global Environment, University of Wisconsin-Madison., *Inland lake indicator bacteria: Long-term impervious surface and weather influences and a predictive Bayesian model.*

- 3:25** Adam J Kalkstein*, United States Military Academy, *Weather-Influenza Relationships: A Two-Pronged Approach.*

Discussant(s): David M Hondula, The University of Virginia

1503. Understanding urban geographies of memory

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Elly Harrowell, University of Birmingham; Peter Mcmenamin, University of Birmingham

CHAIR(S): Natalie Koch, Syracuse University

- 2:40** Elly Harrowell*, University of Birmingham, *From Monuments to Mahallas: Contrasting elite and*

street level memory in the urban landscape of Osh, Kyrgyzstan.

- 3:00** Peter Mcmenamin*, University of Birmingham, *Re-Imaging Communities: Disrupting problematic relationships between post-conflict memory and the built environment.*

- 3:20** Gabriela Raposo-Quintana*, Universidad de Chile, *Landscapes of Resistance: Memorable Places and Fringe Commemorative Practices In Santiago De Chile.*

- 3:40** Dallas Rogers, Dr*, University of Western Sydney, *The Poetics of Cartography and Habitation: Home as a Repository of Memories.*

- 4:00** Beth Ciaravolo*, Indiana University, *The Face of Ukraine: Taras Shevchenko, National Identity, and Landscape.*

1504. 2013 to 2063: Geography in the next fifty years

Room: Room 4, TCC, First Floor (Panel Session)

ORGANIZER(S): Patrick L Lawrence, University of Toledo

1505. Geographies of Mobility II: Transportation and Land Use (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Tim Schwanen, University of Oxford

CHAIR(S): Tim Schwanen, University of Oxford

- 2:40** Meghan Mooney*, University of Denver, *Pedestrian Mobility in Denver, Colorado.*

- 3:00** David S Vale*, Universidade de Lisboa; Mauro Pereira, Universidade de Lisboa; Miguel Saraiva, Universidade de Lisboa, *The integration of land use and transport of railway station areas: the node-places of Lisbon Metropolitan Area, Portugal.*

- 3:20** Donggen Wang*, Hong Kong Baptist University, *Residential move and activity-travel behavior change: a longitudinal study in Beijing, China.*

- 3:40** Ying Zhao*, Sun Yat-sen University, *Travel behaviour and built environment from international perspective:*

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Beijing (China) and Chicago (USA) compared.
4:00 Jiangping Zhou*, Iowa State University, *Jobs-housing Balance, Development Zone and Urban Transition in China: A Case Study of Suzhou Industry Park.*

1506. FQG: Methodologies of Intimate Writing II: A Collection of Writings (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Courtney Donovan, San Francisco State University; Pamela Moss, University of Victoria

CHAIR(S): Courtney Donovan, San Francisco State University

2:40 Altha Cravey*, University Of North Carolina, *The Fraud Department.*

3:00 Ebru Ustundag*, Brock University, *Nomadic subjects of the field: microgeographies of street-level sex work.*

3:20 Toni Alexander*, Auburn University, *Walking the Line between Professional and Personal: Using Autobiography in Invisible Disability Research.*

3:40 Hilda Kurtz*, University of Georgia, *Spaces of belonging and discomfort: Reflections on the use of photo-elicitation and research diaries.*

4:00 Pamela Moss*, University of Victoria, *Enacting my Fatigued Body.*

1507. FQG: Postcolonial perspectives on geographies of gender and sexualities I (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Maria Rodo-De-Zarate; Joseli Maria Silva, University of State of Ponta Grossa - Paraná - Brazil

CHAIR(S): Maria Rodo-De-Zarate

2:40 Bruna Moreno*, Universidade de São Paulo, *Justice on credit: a study on the impacts and contradictions programs direct income transfers (Bolsa Familia Program) on women's lives in the city of São Paulo..*

3:00 Michal Pitonak*, Charles University in Prague, *Transformation of socio-spatial organization of non-heterosexual lives in Prague.*

3:20 Ivaldo Lima*, Universidade Federal Fluminense; Ivaldo Lima, Prof. Dr., Universidade Federal Fluminense, *The transfiguration of feminine in the central space of Rio de Janeiro: new civic places in an emerging decent city?.*

3:40 Juliana Bruce*, Universidade de São Paulo, *Notes on masculinity: investigations of paid domestic labor.*

1508. Changing Landscapes and Livelihoods in the Amazon Basin II (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Clark Gray, University of North Carolina at Chapel Hill; Christian Abizaid, University of Toronto

CHAIR(S): Christian Abizaid, University of Toronto

2:40 Carlos F Mena*, Universidad San Francisco de Quito; Carolina Sampedro, Universidad San Francisco de Quito; Alexandra Guevara, Universidad San Francisco de Quito, *Exploring Linkages Between Land Use, Conflicts, and Oil Extraction in the Ecuadorian Amazon.*

3:00 Juliet S. Erazo, Ph.D.*, Florida International University, *Landscapes of Difference and Development in the Ecuadorian Amazon.*

3:20 Matthew Bozigar*, UNC-Chapel Hill; Clark Gray, UNC-Chapel Hill; Richard Bilsborrow, UNC-Chapel Hill, *Oil Extraction and Indigenous Livelihoods in the Northern Ecuadorian Amazon: A Longitudinal and Multi-Level Analysis.*

3:40 Margaret B Holland, PhD*, Dept. of Geography &

Environmental Systems, UMBC; Kelly J. Wendland, PhD, Dept. of Conservation Social Sciences, University of Idaho; Lisa Naughton-Treves, PhD, Dept. of Geography, University of Wisconsin-Madison; Manuel Morales, Executive Director, ECOLEX; Free de Koning, PhD, Conservation International-Ecuador; Luis Suarez, Director, Conservation International-Ecuador, *Untangling the policy effect of protected areas, land titling, and economic incentives on forest change in the northern Ecuadorian Amazon.*

4:00 Swetha Peteru*, Texas A&M University, *Linking Institutions to Biodiversity Changes in The Peruvian Amazon.*

1509. GIS Case Studies in Environmental and Landscape Policy (Sponsored by GIScience, GIS, and Public Policy)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): GIScience, GIS, and Policy

CHAIR(S): Chris S Renschler, SUNY - Buffalo

2:40 Chris S Renschler*, SUNY - Buffalo; Michael Gates, Seneca Nation of Indians (SNI); Ruben D. Vargas, United Nations Office for Disaster Risk Reduction (UNISDR), *The PEOPLES Approach to Manage Complex Geographic Systems: Integrated Extreme Events Management and Public Policy.*

3:00 Noëlle Bouquey, Stanford University; Luke W Fairbanks*, Duke University; Kevin St. Martin, Rutgers University; Lisa M Campbell, Duke University; Bonnie J McCay, Rutgers University, *Technifying and authorizing knowledge: Geographic information in US marine spatial planning (MSP) processes.*

3:20 Norman Froomey, Ph.D.*, *The National Environmental Policy Act (NEPA) Unleashed.*

3:40 Flurina Wartmann*, University of Zurich, *Representing Local Understandings of Landscape Categories - A Case Study in the Takana Indigenous Territory in Bolivia.*

1510. The Fukushima Disaster: Three Years Later 3 (Risk perception, communication and discourse) (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Daisaku Yamamoto, Colgate University; Noritsugu Fujimoto, Fukushima University

CHAIR(S): Takashi Oda, Miyagi Univ. of Education

2:40 Laura Imaoka*, University of California, Irvine, *Mapping Drama with Information: Risk Communication Following Fukushima.*

3:00 Noriko Iwai*, Japanese General Social Survey Research Center, Osaka University of Commerce; Kuniaki Shishido, Faculty of Business Administration, Osaka University of Commerce, *The Impact of the Fukushima Daiichi Nuclear Accident on People's Perception of Disaster Risks and Attitudes Toward Nuclear Energy Policy: Regional Differences and Distance from Nuclear Plants.*

3:20 Atsuko Watanabe*, Politics and International Studies, the University of Warwick, *Hiroshima, Nagasaki, and Fukushima: Who Is Our Enemy?.*

3:40 Nathaniel Pickett*, University of Kansas, *On the Chernobyl Catastrophe's Role in Shaping Ukrainian Society and Politics.*

Discussant(s): Peter Klepeis, Colgate University

1511. Political Ecology and Race II: Agriculture, Food, and the Politics of Land (Sponsored by Cultural and Political Ecology Specialty Group, Racism and Violence)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Richard Milligan, University of Georgia; Levi

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- Van Sant, university of georgia
CHAIR(S): Tyler McCreary, York University
2:40 Meredith A. Palmer*, UC Berkeley, *A tenuous association: Diabetes and agri-food systems in racial neoliberalism.*
3:00 Levi Van Sant*, University of Georgia, *Towards a Renewed Political Ecology of Soil: Science, Race, and Governance in the 1971 Charleston County (SC) Soil Survey.*
3:20 Melanie Sommerville*, Dept of Geography, UBC, *'Naturalizing finance, financializing natives': The political ecology of agricultural investment in Canada's (post)colonial prairie provinces.*
Discussant(s): Julie Guthman, Univ of California Santa Cruz
- 1512. Spatiotemporal Thinking, Computing and Applications**
4: Land Change (Sponsored by Remote Sensing Specialty Group, Landscape Specialty Group, Spatial Analysis and Modeling Specialty Group)
Room: Room 12, TCC, First Floor (Paper Session)
ORGANIZER(S): Chaowei Yang, George Mason University; Keith C. Clarke, University Of California, Santa Barbara; Weihe Wendy Guan, Harvard University
CHAIR(S): A-Xing Zhu, Univ of Wisconsin
2:40 Eunmok Lee*, Univ. of Kansas, *Analysis of Different Versions of MODIS 250 m NDVI for Crop Separability.*
3:00 Xin Feng*, ASU, *Does Neighboring Land Cover matter? Understanding the Effect of Neighboring Land Cover Pattern on Land Surface Temperature of Central Building Patch.*
3:20 Cheng Zhong*, Dept. of Geography, University of South Carolina; Cuizhen Wang, Dept. of Geography, University of South Carolina; Changshan Wu, Dept. of Geography, University of Wisconsin, Milwaukee, *Unmixing high temporal MODIS products for better documentation of bioenergy-driven land use change in the U.S. Midwest.*
3:40 Jordan Long*, USGS; Chandra Giri, Dr., USGS, *Land cover characterization and mapping of South America for the year 2010 using Landsat 30m Spatial Resolution satellite data.*
Discussant(s): A-Xing Zhu, Univ of Wisconsin
- 1513. Reading the Road Map: A Research Agenda for Early Career Scholars in Geography Education**
Room: Room 13, TCC, First Floor (Paper Session)
ORGANIZER(S): Michael N. Solem, Association of American Geographers
CHAIR(S): Michael N. Solem, Association of American Geographers
2:40 Michael Scholz*, Winona State University; Kelly Sparks*, University of Southern Indiana; Caroline McClure*, Texas State University, *Reading the Road Map: How Do Geographic Knowledge, Skills, and Practices Develop Across the Different Elements of Geography.*
2:55 Sarah E Battersby*, University of South Carolina; Catherine W Cooper, Independent Scholar; Mary Curtis, Department of Curriculum and Instruction, University of Texas-Arlington; Daniel C Edelson, National Geographic Society; Joseph Lane, Mallinson Institute for Science Education, Western Michigan University; Audrey Mohan, Biological Sciences Curriculum Study; Lisa Tabor, Department of Curriculum and Instruction, Kansas State University; Jonathan Wessell, Department of Education, Walden University, *Advancing an Agenda in Geography Education Research: A Report from the Road Map Early Career Scholars Workshop.*
3:10 Joseph Stoltman*, Western Michigan University; Stacey Kerr, University of Georgia, *Teacher Education: The Crossroads for Improved Geography Teaching.*
3:25 Lara MP Bryant, Dr. *, Keene State College, *Moving forward on geography education: Examples of research areas.*
- Discussant(s): Carmen Brysch, Texas State University-San Marcos; Richard G. Boehm, Texas State University
- 1514. Working Abroad: International Job Opportunities for Geographers (Sponsored by Jobs and Careers)**
Room: Room 14, TCC, First Floor (Panel Session)
ORGANIZER(S): Mark Revell, Association of American Geographers
CHAIR(S): Niem Huynh, Association of American Geographers
Discussant(s): Glenn Hyman, CIAT; Lowry Taylor, U.S. Department of State; Astrid Nicole Ng, Association of American Geographers; Xuelian Meng; Pablo Fuentenebro, United Nations Environment Programme
- 1515. Financialization of Urban Governance in the Post-Entrepreneurial State-I (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Room 15, TCC, First Floor (Paper Session)
ORGANIZER(S): Robert W. Lake, Rutgers University; Kathe Newman, Rutgers University
CHAIR(S): Robert W. Lake, Rutgers University
2:40 William Kutz*, School of Environment and Development, *Building your portfolio while razing the city: The predilections of municipal bonds under austerity.*
3:00 Dimitar Anguelov*, UCLA, *Financialization of Entrepreneurial Urbanism? The Use of Financial Engineering Instruments in Integrated and Sustainable Urban Development.*
3:20 Kathe Newman*, Rutgers University; Katherine Vail, Rutgers University, *Finance and Technology in the Post-Industrial Revolution.*
3:40 Catherine Guimond*, University of California, Berkeley, *The financialization of affordable housing and neighborhood revitalization in the Bronx, New York.*
4:00 Gavin Shatkin*, Northeastern University, *The Real Estate Turn in Urban Politics in Asia.*
- 1516. Geospatial Aspects of Health Issues for Population Groups in the United States (Sponsored by Population Specialty Group)**
Room: Room 16, TCC, First Floor (Paper Session)
ORGANIZER(S): Nancy K. Torrieri, U.S. Bureau Of the Census
CHAIR(S): Fernando Riosmena, University of Colorado at Boulder
2:40 Fernando Riosmena*, University of Colorado at Boulder; Elisabeth Root, University of Colorado, Boulder; Emily Steiner, University of Colorado at Boulder; Jamie Humphrey, MPH, University of Colorado at Boulder; Becca Stubbs, University of Colorado, Boulder, *Disentangling "barrio effects" in Mexican American Health.*
2:58 Rebecca Lane*, University of Kentucky, *(De)constructing Borders in the Delivery Room: Biological Citizenship and Narratives of Assertiveness in Undocumented Latinas' Reproductive Healthcare Experiences.*
3:16 Ayanda M Masilela, BA*, Virginia Tech, *Discerning Neighborhood Characteristics as Contributing Factors to Infant Mortality in Rural Reservation Communities.*
3:34 Weihao Zhang*, Department of Geography at University of Georgia, *Understanding health disparity from local health departments and primary care professionals.*
3:52 CAMELIA KANTOR*, Claflin University; Camelia Maria Kantor, PhD, MBA, Claflin University, *Lactose persistence and dairy deficiency in African American populations as causes for health disparities: a geographic perspective..*
- 1517. Critical Geographies of Religion I: Religion, Politics, and the Public Sphere (Sponsored by Geography of Religions and Belief Systems Specialty Group)**

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- Room:** Room 17, TCC, First Floor (Paper Session)
ORGANIZER(S): Caroline Nagel, University of South Carolina; Peter Hopkins, Newcastle University, UK
CHAIR(S): Peter Hopkins, Newcastle University, UK
2:40 Justin K.H. Tse*, University of British Columbia, Department of Geography, *The Civil Human Rights Front: religion and radical democracy in post-handover Hong Kong.*
3:00 Christine G Schenk*, University of Geneva, Department of Geography, *Negotiating justifications for governing vis-à-vis religious agency and statebuilding: the case of Aceh, Indonesia.*
3:20 Timur Hammond, UCLA*, Dept. of Geography, *It's Become a Carnival: Commerce of the Sacred in an Istanbul Neighborhood.*
3:40 Deborah Johnson, PhD candidate, teaching assistant*, University of Zurich, *Brokering Sri Lankan Warscapes: Priestly Potentates and Travelers.*
4:00 Caroline Nagel*, University of South Carolina; Patricia Ehrkamp, University of Kentucky, *Faith-based outreach to immigrants and the production of multiculturalism in the US South.*
- 1518. Agricultural Geography**
Room: Room 18, TCC, First Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Wesley Skeeter, Salisbury University
2:40 Kevin T Fandry*, University of Kansas, *Shifts in Production: Change in Spatial Correlation Between Hog and Corn Production.*
3:00 Jiangui Li*, Xinjiang Agricultural University, *Research in Dehiscence Mechanism and Influence Factors of Ziziphus jujube in Xinjiang.*
3:20 Itzhak Katra*, Ben-Gurion University of the Negev, Israel; Smadar Tanner, University of Haifa, Israel; Eli Zaady, Agricultural Research Organization, Gilat Research Center, Israel, *Anthropogenic Dust Emissions from a Semi-Arid Loess Soil: Impacts of Conventional and Organic Agricultural Tillage.*
3:40 Wesley Skeeter*, University of South Carolina, *Identifying Source Areas of Ammonia Fluxes Sampled Above a Louisiana Sugar Cane Field.*
- 1519. Assembling life at the "margin": Critical assemblage thinking and urban marginality - Part II: Rethinking the marginal subject(s)**
Room: Room 19, TCC, First Floor (Paper Session)
ORGANIZER(S): Michele Lancione, UTS
CHAIR(S): Michele Lancione, UTS
2:40 Gaja Maestri*, Durham University, *From nomads to squatters: towards a deterritorialisation of urban marginality of the Roma in Rome.*
3:00 Pooya Ghoddousi*, UCL PhD student, *Global nomads or temporary citizens: Transnational mobility of 'middling' Iranians.*
3:20 Michele Lancione, PhD*, Cambridge University, *The city and the 'marginal man': Machinic subjects.*
3:40 Amy Dobrowolsky*, University of Washington, *Becoming transgressive: Transgender autonomy and action at and beyond the margins.*
Discussant(s): Cheryl Gilge, University of Washington
- 1520. Imagined Nature and Environmentalism in Patagonia, Part 2**
Room: Room 20, TCC, First Floor (Paper Session)
ORGANIZER(S): Marcos Mendoza, University of Mississippi; Robert Fletcher, University for Peace
CHAIR(S): Marcos Mendoza, University of Mississippi
2:40 Charmaine Jones*, University of Queensland, *Authenticity and the Politics of Knowledge: Ecotourism in Chile's Northern Patagonia.*
3:00 Christopher Serenari, Ph.D. Candidate*, North Carolina State University; Nils Peterson, Ph.D., North Carolina State University; Paulina Stowhas, Médico Veterinaria, Valdivia, Chile; Yu-Fai Leung, Ph.D., North Carolina State University; Tim Wallace, Ph.D., North Carolina State University; Erin Sills, Ph.D., North Carolina State University, *Assessing Cultural Difference in the Context of Patagonian Large-Scale Private Protected Area Conservation and Development.*
3:20 Colombina Schaeffer*, The University of Sydney, *Constructing the multiple Patagonia.*
3:40 Francesca Marin*, university of aberdeen, *Making a non-human environment: how the eastern Patagonia became a desert.*
Discussant(s): Robert Fletcher, University for Peace
- 1521. Critical Reflections on Mental Health and Wellness in the Academy II**
Room: Room 21, TCC, First Floor (Panel Session)
ORGANIZER(S): Linda Peake, York University; Kate Parizeau, University of Guelph
CHAIR(S): Beverley Mullings, Queen's University
Panelists: Kate Maclean, Birkbeck, University of London; Laurence Simard-Gagnon, Université Laval; Eric Windhorst, McMaster University; David Conradson, University of Canterbury; Sarah E Mann
- 1522. Transformative Research in Geographic Information Science (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**
Room: Room 22, TCC, First Floor (Panel Session)
ORGANIZER(S): May Yuan, Univ of Oklahoma
CHAIR(S): Harvey Miller, The Ohio State University
Discussant(s): Shaowen Wang, University of Illinois at Urbana-Champaign
Panelists: Dawn J. Wright, Esri; Seth Spielman, University of Colorado; Michael F. Goodchild, University of California - Santa Barbara; Alex Singleton
- 1523. Paleorecords IV. Ice, Fire, and Droughts in the Circum-Caribbean (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
Room: Room 23, TCC, First Floor (Paper Session)
ORGANIZER(S): Sally P. Horn, University Of Tennessee; Michelle Goman, Sonoma State University; Catherine Yansa, Michigan State University
CHAIR(S): Michelle Goman, Sonoma State University
2:40 Rebecca Potter*, University of Tennessee; Yingkui Li, University of Tennessee; Sally P. Horn, University of Tennessee; Kenneth H. Orvis, University of Tennessee, *Cosmogenic nuclide constraints on Late Quaternary glacial advances in the Cordillera de Talamanca, Costa Rica.*
3:00 Sally P. Horn*, University Of Tennessee; Kenneth H. Orvis, University of Tennessee; Kurt A. Haberyan, Northwest Missouri State University, *Glacial-age Fires in Costa Rican Páramo: Evidence from La Chonta Bog, Cordillera de Talamanca.*
3:20 Erik N Johanson*, University of Tennessee; Mathew S Boehm, University of Tennessee; Sally P Horn, University of Tennessee, *Stable Carbon and Nitrogen Isotope Analysis as an Indicator of Late-Holocene Aridity in the Valle de Bao, Cordillera Central, Dominican Republic.*
3:40 Pete D Akers*, University of Georgia; George A Brook, University of Georgia; Fuyuan Liang, Western Illinois University, *A 5300-yr stalagmite paleoclimate record from Macal Chasm, Vacca Plateau, Belize, indicating aridity during the Maya Terminal Classic and Postclassic Periods from multiple proxies.*

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- 4:00** Anna Pollock*, University of South Florida; Philip E van Beynen, Ph.D., University of South Florida; Kristine L DeLong, Ph.D., Louisiana State University; Victor Polyak, Ph.D., University of New Mexico; Yemane Asmerom, Ph.D., University of New Mexico, *Variability in precipitation during the mid-Holocene for the Mayan Lowlands of northern Central America.*
- 1524. 2014 Student Illustrated Paper Competition sponsored by RSSG/GISSG/CSG (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Cartography Specialty Group)**
Room: Room 24, TCC, First Floor (Illustrated Paper Session)
 ORGANIZER(S): Iliyana Dobрева, Texas A&M University
 CHAIR(S): Iliyana Dobрева, Texas A&M University
- 2:40** Sean Cunningham*, Clark University; John Rogan, Ph.D., Graduate School of Geography, Clark University; Deborah Martin, Ph.D., Graduate School of Geography, Clark University; Verna Delauer, Ph.D., George Perkins Marsh Institute, Clark University, *Impacts of economic condition and land change through development: Mapping forest loss from 1999-2013 in Massachusetts, USA.*
- 2:45** Michelle M. Andrews*, Clark University; John Rogan, Ph.D., Clark University; Deborah G. Martin, Ph.D., Clark University; Verna DeLauer, Ph.D., George Perkins Marsh Institute, *Monitoring land surface temperature variability across an urban-forest gradient in Worcester; Massachusetts using in-situ and multi-platform Landsat data.*
- 2:50** Yelena Finegold*, Clark University, *Visualizing Land Use Change Dynamics Using Probabilities.*
- 2:55** Panshu Zhao*, Texas A&M University--College Station, Department of Geography; Michael P Bishop, Texas A&M University--College Station, Department of Geography, *Integration of spectral and topographic information into an analytical reasoning model to map debris-covered glaciers in the Karakoram Himalaya.*
- 3:00** Andrew K Thorpe*, University of California, Santa Barbara; Jet Propulsion Laboratory, California Institute of Technology; Christian Frankenberg, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, USA; Dar A Roberts, Department of Geography, University of California, Santa Barbara, California, USA; Andrew D Aubrey, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, USA, *Mapping and quantifying methane emissions using airborne imaging spectroscopy.*
- 3:05** Yan Huang*, East China Normal University, *Derivation of Split-window Algorithm for Landsat-8 Dual Channel Thermal Images and Its application to Spatial Pattern Analysis of Water Temperature of Arctic Lakes.*
- 3:10** Lindsay Rogers*, Salem State University, *Analyzing Temperature Change in New England, 1895 - 2012.*
- 3:15** Zhenyang Hua*, Salem State University; Macos Luna, PhD, Salem State University, *Who could really vote? -- Dasymetric mapping as a better measure of eligible voter participation.*
- 3:20** Noam B Raffel*, Clark University; Yelena Ogneva-Himmelberger, Clark University, *Benefits of High Quality Time Space Data for Crime Analysis Using GIS Applications.*
- 3:25** Zachary W. Nutter*, In conjunction with faculty member Dr. Stephen Young, Department of Geography, Salem State University, Salem Ma., *An Analysis of Hurricane Sandy's Storm Surge and the Potential for Future Storm Surge Damage in Salem, MA.*
- 1526. River Flow and Sediment Load Characterization**
Room: Ballroom A, TCC, First Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): RANBIR KANG
- 2:40** Donghua Cai*, University at Buffalo; Sean Bennett, University at Buffalo; Michael Gallisdorfer, University at Buffalo; S. Mohammad Ghaneeizad, University at Buffalo; Joseph Atkinson, University at Buffalo, *Effects of Engineered Log Jams on Mean and Turbulent Flow in an Open Channel.*
- 3:00** Ming Jian Wei*, Capital Normal University; Rui Zhou, College of Resources, Environment & Tourism, Capital Normal University; Qiu-Yue Zhao, College of Resources, Environment & Tourism, Capital Normal University; Zhao-wen Liu, College of Resources, Environment & Tourism, Capital Normal University; You-bing He, College of Resources, Environment & Tourism, Capital Normal University; Bin Zhang, College of Resources, Environment & Tourism, Capital Normal University; Jun-xin Liu, College of Resources, Environment & Tourism, Capital Normal University; Song Bo, College of Resources, Environment & Tourism, Capital Normal University; Bao-lin Pan, College of Resources, Environment & Tourism, Capital Normal University, *Several basic problems on thermoluminescence dating of debris flow deposits.*
- 3:20** Derek J. Martin*, University of Tennessee, *Using Spatial Statistics to Identify Longitudinal Patterns of Fluvial Wood Deposition.*
- 3:40** Ranbir S Kang*, Western Illinois University, *Riffle-pool spacing in a low order stream with high rates of bank erosion.*
- 1529. The Birth of Territory - Author meets critics**
Room: Ballroom D, TCC, First Floor (Panel Session)
 ORGANIZER(S): Claudio Minca, Wageningen University; Jeremy Crampton, University of Kentucky
 CHAIR(S): Claudio Minca, Wageningen University
 Discussant(s): Alexander Murphy, University of Oregon
 Panelists: Joseph Bryan, Department of Geography, University of Colorado, Boulder; Anssi Paasi, University of Oulu; Stuart Elden, University of Warwick; Juliet J. Fall, University of Geneva
- 1530. Advances and Challenges in Digital Elevation Models IV (Geomorphology) (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)**
Room: Room 30A, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey
 CHAIR(S): John Brock, USGS
- 2:40** Sandra K. Poppenga*, USGS; Bruce B Worstell, SGT, Inc.; Gayla A Evans, USGS; Jeffrey J. Danielson, USGS; John C. Brock, USGS; H. Karl Heidemann, USGS, *Hydrologic-Enforcement of Lidar DEMs in Select Reaches of the Delaware River Basin.*
- 3:00** Monica Palaseanu-Lovejoy*, U.S. Geological Survey; Patrick Barnard, U.S. Geological Survey, *Defining Seacliffs Limits and Change Analysis Using Lidar-derived High-Resolution DEMs in Del Mar, California.*
- 3:20** Jessica D DeWitt, MA*, West Virginia University; Pete Chirico, USGS, *Moving towards regional-scale topographic change: creating a single-date DEM of Appalachia from ASTER imagery.*
- 3:40** Peter George Chirico*, United States Geological Survey, *Implications of Stereo Geometry and Terrain on the Error in Photogrammetrically-Derived DEMs.*
- 4:00** Brooke Marston*, Oregon State University, *Automating the Local Adaptation of Illumination in Analytical Relief Shading.*

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1531. Theorizing Neoliberalism from the Inside Out (Sponsored by Political Geography Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Carlo Sica; John Lauermann, Clark University

CHAIR(S): Carlo Sica

Introducer: John Lauermann

2:45 Mary Njeri Kinyanjui, PhD*, Nairobi University-IDS, *Mary Njeri Kinyanjui*.

3:00 Jessica R Barnes*, The Ohio State University, *Crafting (and resisting) neoliberal subjectivities: Etsy's corporate governance of entrepreneurial crafters through online retail sites*.

3:15 Jessa Loomis*, University of Kentucky, *Subject to Crisis: Cultivating an entrepreneurial ethic even after the crash has passed*.

3:30 Waqar Ahmed*, University of North Texas, *Antinomies of the Indian State..*

3:45 Carlo E. Sica*, Syracuse University, *Energizing Neoliberalism: Freeing Gas and Capital in the 70's*.

Discussant(s): Matt Huber, Syracuse University

1532. Behavioral and psychological responses to weather in everyday life (Part I: Weather perceptions and imagination) (Sponsored by Geographies of Climate Change)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Mario Cools, LEMA, Université de Liège; Lars Bocker

CHAIR(S): Mario Cools, LEMA, Université de Liège

2:40 Peter D Howe, PhD*, Utah State University; Jagadish

Thaker, PhD, National University of Singapore;

Anthony Leiserowitz, PhD, Yale University,

Perceptions of changes in local precipitation, extreme events, and monsoon variability in India.

3:00 Alan E. Stewart*, University of Georgia, *Weather Salience: A Human Trait of Orientation to the Weather*.

3:20 Oliver Moss*, Countryside and Community Research Institute (CCRI), *Meteorological Imaginations. Towards geographies of affective practices of weather, atmospherics and landscapes*.

3:40 Simon K Naylor, Dr*, University of Glasgow; Georgina Endfield, Professor, University of Nottingham; Lucy Veale, Dr, University of Nottingham, *An Experiment in Collecting British Weather Memories*.

1533. Economic, Applied, Cultural, and Urban Geography

Room: Room 33, TCC, Fourth Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anastasia Myadzelets, V.B.Sochava Institute of Geography SB RAS

2:40 Jun Bo Xue*, Institute of Policy & Management, CAS; Shuling Xie, East Normal University; Zheng Wang, Institute of Policy & Management, *An Analysis of Growth Drag From Water and Land in China*.

2:45 Suman Sao*, University of North Bengal, *Planning for the Development of Handicrafts: Case Study of Mask Craft of South Dinajpur District, India*.

2:50 Rajendra Sayappa Suryawanshi, Associate Professor*, Abasaheb Garware College, *Assessment of Level of Development In Jawahar, Mokhada, Vikramgad and Vada Tahsil of Rural Thane District, Maharashtra State India..*

2:55 Nabil Malik*, York University (Toronto, Canada), *Sustainable Development Policy in Regional Planning: A Comparative Study of the Regional Municipalities of York (Ontario, Canada) and Wood Buffalo (Alberta, Canada)*.

3:00 Jiaming Li*, *Industrial Location Choice and Distribution Pattern in Beijing*.

3:05 Robert Cowherd, PhD*, Wentworth Institute of Technology,

Applying Critical Urban Theory: The Cultural Construction of Jakarta.

3:10 Samuel Gene Hebel*, University of Wisconsin Oshkosh, *Reconstructing Barotseland in the digital age: Public discourse and the independence conversation in Zambia*.

3:15 Joel P Jennings, Ph. D.*, St. Louis University, *Space for Leadership?*.

3:20 Shivaji Ramchandra Pacharane*, S. B. B. Alias Appasaheb Jedhe Arts, Com. and Science College,, *Changing Female Literacy and work participation in Ahmednagar District, India*.

3:25 Anna Sangree*, University of Richmond, *Obstacles to Female Participation in Formal Natural Resource Management*.

3:30 Carl Chbeir*, 1st year graduate student, *Wealth flow among Lebanese Americans*.

3:35 Anastasia Myadzelets*, V.B.Sochava Institute of Geography SB RAS, *Analysis of Impact of Socio-Economic and Demographic Well-Being Factors on the Life Quality of Siberian Regions of Russia*.

3:40 Laiyun Wu*, SUNY Buffalo; Li Yin, SUNY-Buffalo, *Assessing Hotel Clustering Patterns: Savannah, Charleston and New Orleans from 1997 to 2010*.

1534. Urban Analysis

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mark Blumler, SUNY-Binghamton

2:40 Nicklas Guldåker*, Department of Human Geography, Lund University; Mona Tykesson, Department of Human Geography, Lund University; Per-Olof Hallin, Department of Urban Studies, Malmö University, *Intentional fires and their relation to different living condition - a comparison between two cities in southern Sweden*.

3:00 Jason Kaufman*, University of Tennessee, *An Analysis of the Patterns of Crime and Socioeconomic Status Visualized Through a Self-Organized Map*.

3:20 Martine August, Ph.D.*, University of Toronto, *Speculating Social Welfare: Public Housing Redevelopment in Downtown Toronto*.

3:40 Sunghyun Yoo*, Seoul National Univ., *A study on the effect of food service industry to the land price: Case study of Seoul*.

4:00 Mark Blumler, Assoc. Prof.*, SUNY-Binghamton, *Urban Planning for Biodiversity Conservation*.

1535. Flipping the desks: designing multimedia GIS tutorials (Sponsored by Geography Education Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Jeff Howarth

CHAIR(S): Jeff Howarth

2:40 Henry Bell*, Middlebury College, *Teaching marine abundance-occupancy analysis with multimedia tutorials*.

3:00 Katherine Michels*, Middlebury College, *Think Through Rather Than Click Through: Illustrating Connectivity Through a Cognitive Learning Theory-Based GIS Tutorial*.

3:20 Sarah Gooding*, Middlebury College, *Google enters the Classroom: Google Maps Engine Pro as an Aid in Teaching Geospatial Technologies*.

3:40 Paul Quackenbush*, Middlebury College, *Teaching Remote Sensing Using Paired Conceptual and Implementation Videos*.

4:00 Eliza H. Wallace*, Middlebury College, *Designing Multimedia GIS Pre-Training to Inspire Community-Specific Spatial Awareness*.

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1536. Including me enriches your research: (Sponsored by Disability Specialty Group)

Room: Room 36, TCC, Fourth Floor (Panel Session)
ORGANIZER(S): Leonor Vanik, UIC-Chicago

1537. New Geographies of Philanthropy and Giving: New places and alternate forms of giving (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Room 37, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Elyse Gordon; Helen Olsen, Rutgers University

CHAIR(S): Elyse Gordon

2:40 Elyse Gordon*, University of Washington, *Theorizing the Nonprofit and Voluntary Sector Outside of Neoliberalism*.

3:00 Roberta Hawkins*, University of Guelph, *Digital geographies of development philanthropy: 'Slacktivism' or caring at a distance?*.

3:20 Sabithulla Khan*, Virginia Tech, *Modernity, Zakat and the American Muslim philanthropic imaginaries*.

3:40 Maria Koleth*, University of Sydney, *The Giving Formula: volunteer tourism and the commodification of giving*.

4:00 Rama Mohapatra, PhD*, Minnesota State University, Mankato; Paul A Prew, PhD, Minnesota State University, Mankato; Javier-Jose Lopez-Jimenez, PhD, Minnesota State University, Mankato, *Geography, Society, and Generosity: Do Religion, Inequality, and Disasters Affect the Spatial Pattern of Giving in the United States?*.

1539. Historical Ecology 1 (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Chris Larsen, University At Buffalo; Yi-Chen Wang, National University of Singapore

CHAIR(S): Yi-Chen Wang, National University of Singapore

2:40 Nina Hewitt, PhD*, York University; John David Wood, PhD, York University, *Historical Records of Fire in Southern Ontario Oak Savannas: Augmenting the Tree-Ring Record*.

3:00 Chris Larsen*, University At Buffalo; Steve Tulowiecki, University at Buffalo; Yi-Chen Wang, National University of Singapore; Andrew Trgovac, University at Buffalo, *All Species Are Not Equal - The Use And Value Of Ranked Species Lists From Presettlement Land Surveys, Western New York*.

3:20 Stephen J. Tulowiecki*, University at Buffalo; Chris P.S. Larsen, PhD, University at Buffalo, *Using Boosted Regression Trees to Assess the Influence of Native American Land-Use upon Forest Composition*.

3:40 James Dyer*, Ohio University; Todd Hutchinson, US Forest Service, Northern Research Station, *Creating a Presettlement Forest Map to assess Historic Change in Southeastern Ohio*.

4:00 Brice Hanberry*, University of Missouri; Dan C Dey, USDA Forest Service, Northern Research Station; Hong S He, University of Missouri; John M Kabrick, USDA Forest Service, Northern Research Station, *Changing forests of the eastern US*.

1540. Urban Sustainability II: The Reconfigured Socio-Nature in Urban Sustainability Projects (Sponsored by Cultural and Political Ecology Specialty Group, Scale and Sustainability)

Room: Room 30B, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Federico Cugurullo, University of Manchester;

I-Chun Catherine Chang, University of Minnesota

CHAIR(S): Federico Cugurullo, University of Manchester

Introducer: Federico Cugurullo

2:45 Shih-Shen Chien*, National Taiwan University, *The*

Transnational Dimension in the Chinese Eco-related Urban Entrepreneurialism.

3:05 Guangwen Meng*, School of urban and environmental science, Tianjin Normal University, *The Achievements and Challenges of Sino-Singapore Tianjin Eco-City*.

3:25 Nathaniel Gabriel, PhD*, Rowan University, *Marginal Publics: the Environmentalization of the City in a Postpolitical Era*.

3:45 Federico Cugurullo*, University of Manchester, *Urban imaginaries and sustainable urbanism in Hong Kong: one vision, many practices*.

1554. Material Culture and Geography II: Home Structures, Images, and Designs (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)

Room: Grand Salon C, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Sara Keough, Saginaw Valley State University

CHAIR(S): Sara Keough, Saginaw Valley State University

2:40 Michael Ripmeester*, Brock University, *Garages, Arts Centres, and Condo Development: Infrastructure as Catalyst in St. Catharines, ON..*

3:00 Annemarie Galeucia*, Louisiana State University, *Mobile Homes: Material and Mores in the American Public Sphere*.

3:20 Jon Malinowski*, U.S. Military Academy, *New Topographic Effects on Social Media Landscape Photography*.

3:40 Michelle Metro-Roland, Ph.D.*, Western Michigan University, *From steel box to school: the semiotics of contemporary building design*.

1555. Location Privacy: Paper Session - D (Sponsored by Geographic Information Science and Systems Specialty Group, Military Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Dr. Melissa Rura, United Methodist

Neighborhood Centers of Memphis; Bandana Kar, University of Southern Mississippi

CHAIR(S): Bandana Kar, University of Southern Mississippi

2:40 Mona Tykesson, Department of Human Geography*, Lund University; Nicklas Guldåker, Department of Human Geography, Lund University, *The M-database - A multi-disciplinary and scientific data platform*.

3:00 Ourania Kounadi*, University of Salzburg | Department of Geoinformatics - Z_GIS, *Private Geoinformation Disclosure*.

3:20 Yongyao Jiang*, Clark University; Jie Tian*, Clark University; Yuqi Chen, Clark University, *Automated Mobility Mode Detection based on GPS Tracking Data*.

3:40 Rein Ahas*, Department of Geography, University of Tartu; Siiri Silm, Department of Geography, University of Tartu; Jakub Novak, Department of Geography, University of Tartu; Charles University Prague, *Spatial mobility, social networks and exposure to risk*.

4:00 Candela Sanchez*, University of Edinburgh; William A Mackaness, University of Edinburgh, *Empowerment or Disenfranchisement: VGI and the Politics of Place among Vulnerable Communities*.

1566. Culture, Agriculture and Tradition II: Traditional Knowledge and Contemporary Settings (Sponsored by Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Florida Salon V, Marriott, Second Floor (Paper Session)
ORGANIZER(S): RDK Herman, National Museum of the

American Indian

CHAIR(S): Anne Meltzer

2:40 Ann Evans Larimore*, University of Michigan, *About Native Women Farmers' Complex Sustainable Agricultural Systems*.

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- 3:00** Lameru Kacaw*, *Social capital and resilience: A Case Study of Taiwan Indigenous village Agriculture..*
- 3:20** Chou Chien-Yu*, *The Indigenous Knowledge on Habitat Selection of Bunun People.*
- 3:40** Yooinn Hong*, Penn State University, *Understanding and building upon Korean cultural landscapes using traditional knowledge of resilience in the era of local and global transitions involving agriculture and biodiversity.*
- 4:00** Anne Meltzer*, University of Tennessee, *Redefining African Regions: Agricultural Trade in Post-Colonial Context.*
- 1567. The End of Peasant Revolutions? Peasant Movements in a Global Corporate World (II) (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**
- Room:* Florida Salon VI, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Adrienne Johnson, Clark University; Alejandro Camargo, Syracuse University
 CHAIR(S): Alejandro Camargo, Syracuse University
- 2:40** Natalia Mamonova*, International Institute of Social Studies of Erasmus University, *"Land - to peasants, oligarchs ? to jail!" The first anti-land grab rural social movement in Russia..*
- 3:00** Tsegaye Moreda Shegro*, International Institute of Social Studies, *Listening to their silence? The reaction of Gumuz people against large-scale land acquisitions in Benishangul-Gumuz region, Ethiopia.*
- 3:20** Adrienne Johnson*, Clark University, *Ecuador's National Interpretation of the Roundtable on Sustainable Palm Oil (RSPO): (Dis)Enabling alternative politics in palm oil governance?.*
- 3:40** Monica P. Hernandez*, Rutgers, The State University of New Jersey, *Collective land titling and the multicultural state in Colombia.*
- 4:00** Marylynn Steckley, M.A., B.A.*, University of Western Ontario; Tony Weis, Associate Professor, University of Western Ontario, *Agriculture in and beyond the Haitian Catastrophe.*
- 1568. REDDy or Not 2: Political Ecologies of Forest Carbon, Accumulation, and Resistance. (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Development Geographies Specialty Group)**
- Room:* Meeting Room 1, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Wendy Miles, University of Hawaii at Manoa; Kathleen McAfee, San Francisco State University
 CHAIR(S): Dianne E Rocheleau, Clark University
 Introducer: Dianne E Rocheleau
- 2:43** Chad Monfreda*, Consortium for Science, Policy & Outcomes, *Climate, Forests, and Carbon Markets in the State Imaginations of California and Chiapas.*
- 2:59** Rowan J Dixon*, Victoria University of Wellington, New Zealand; Edward Challies, Dr., Research Group on Governance, Participation and Sustainability, Leuphana University of Lüneburg, Germany, *Private financing of REDD+ in Indonesia.*
- 3:15** Pete J Howson*, Victoria University of Wellington, *'Powers of access' and the local REDD+ 'benefits' of Sungai Lamandau.*
- 3:31** Wendy B Miles, PhD Candidate*, University of Hawaii & East-West Center; Rut Dini Prasti H., BSc, University of Palangkaraya, *Currents of Change on the Kapuas River: Navigating the Local Environment and Global Climate.*
- 3:47** Abidah Setyowati*, Geography Department, Rutgers University, *Fantasy of Fixity: Governing Ungovernable Space and People in Ulu Masen REDD+, Indonesia.*
 Discussant(s): Tracey Osborne, University of Arizona
- 1569. Have We Moved Beyond the Color Line?: A Conversation on Race, Place, and Black Geographies in the American South (Sponsored by Study of the American South Specialty Group, The American South, Racism and Violence)**
- Room:* Meeting Room 2, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Aretina Hamilton, University of Kentucky
 CHAIR(S): Aretina Hamilton, University of Kentucky
 Discussant(s): Perry Carter, Texas Tech University; Aretina Hamilton, University of Kentucky; LaToya Eaves, Florida International University; Eddie Modlin
- 1570. Open Borders, Migration, and Labor Shadows: From Theorizing Causes to Proposing Interventions (Sponsored by Socialist and Critical Geography Specialty Group, Ethnic Geography Specialty Group)**
- Room:* Meeting Room 3, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Harald Bauder, Ryerson University; Christian Matheis, Virginia Tech University
 CHAIR(S): Harald Bauder, Ryerson University
- 2:40** Christian Matheis*, Virginia Tech University, *Refuge and Refusal: on the Feasibility and Infeasibility of Saying 'No' as a Moral Criteria for Evaluating the Treatment of People Seeking Refuge.*
- 3:00** Eli C.S. Jamison, ABD*, Virginia Tech, *Manufacture of the United States Internally Displaced Person: Un/Intended Consequence of Alabama Immigration Reform.*
- 3:20** Holly Jordan*, Virginia Tech, *Black, Poor, and Jewish: The Ostracism of Ethiopian Jews in Modern Israel.*
- 3:40** Serin D. Houston, PhD*, Mount Holyoke College, *Spaces of Justice? The Politics and Prevalence of Immigrant Sanctuaries.*
- 4:00** Harald Bauder*, Ryerson University, *Possibilities of Open Borders and No Border.*
- 1571. Lively commodities II. Encounters & intimacies (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**
- Room:* Meeting Room 4, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Rosemary-Claire Collard, University of Toronto; Jesse Goldstein, Graduate Center, CUNY; Paul Jackson, Dartmouth College
 CHAIR(S): Jessica Dempsey, University of Victoria
- 2:40** Karen Bakker*, University of British Columbia, *Intimate intentions: A political ecology of socio-natural reproduction in the Peruvian Andes.*
- 3:00** Dawn Biehler*, University of Maryland Baltimore County; Yvette Williams, PhD, University of Maryland, Baltimore County, *Challenging Biophilia, Resisting Biophobia: Intimate and Neglected Natures in West Baltimore, Maryland.*
- 3:20** Maan Barua*, University of Oxford, *Encounter value: charisma, conflict and Asian elephants.*
- 3:40** Annalisa Colombino, Ph. D.*, University of Graz; Paolo Giaccaria, Ph. D., University of Torino, *The Biocapitalism of dead life.*
 Discussant(s): Paul Jackson, Dartmouth College
- 1572. Economic Geography III - Inventors, Entrepreneurs, and Regional Context (Sponsored by Economic Geography Specialty Group)**
- Room:* Meeting Room 5, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; David Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
 CHAIR(S): David Rigby, UCLA
- 2:40** Richard Shearmur*, McGill University, *Far from the Madding Crowd : Introverted Innovators, Information Value-Decay and the Geography of Innovation.*
- 3:00** Verena Brinks*, Leibniz Institute for Regional Development and Structural Planning; Oliver Ibert, Leibniz Institute

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- for Regional Development and Structural Planning, *Mushrooming Entrepreneurship: On the dynamic geography of enthusiast-driven innovation.*
- 3:20** Lionel Sack*, Circle, Lund University; Jerker Moodysson, Circle, Lund University, *Boundary-spanning ties across institutional configurations: insights from re-occurring and temporary network formations of firms in a French beverage cluster since the 1990s.*
- 3:40** Jennifer Clark*, Georgia Institute of Technology, *Manufacturing by Design: The Rise of Regional Intermediaries and the Reemergence of Collective Action.*
- Discussant(s): Arnoud Lagendijk, Radboud University Nijmegen
- 1573. High-performance and Large-scale Geospatial Computing I: Architectures and Frameworks (Sponsored by Cyberinfrastructure Specialty Group)**
- Room:* Meeting Room 6, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Eric Shook, Kent State University; Xuan Shi, University of Arkansas; Dilip Patlolla, ORNL
- CHAIR(S): Qunying Huang, George Mason University
- 2:40** Xuan Shi*, University of Arkansas, *Geocomputation on Kraken, Keeneland and Beacon.*
- 3:00** Qingfeng Guan*, China University of Geosciences (Wuhan), *pRPL 2.0: An Improved Parallel Raster Processing Library.*
- 3:20** Jason Laura*, GeoDa Center for Geospatial Analysis and Computation, Arizona State University; Sergio J Rey, GeoDa Center for Geospatial Analysis and Computation, Arizona State University; Philip Stephens, GeoDa Center for Geospatial Analysis and Computation, Arizona State University; Robert Pahle, GeoDa Center for Geospatial Analysis and Computation, Arizona State University, *An evaluation of sampling and full enumeration strategies for Fisher Jenks classification in large n settings.*
- 3:40** Jing Li*, University of Denver; Tong Zhang, Wuhan University, *Online Task Scheduling for LiDAR Data Registration on Hybrid GPU/CPU Devices: A Reinforcement Learning Approach.*
- 1574. Community geography and university-community engagement in the American South (Sponsored by Study of the American South Specialty Group, The American South)**
- Room:* Meeting Room 7, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill
- CHAIR(S): Timothy Hawthorne, Georgia State University
- 2:40** Ronald Pate, PhD*, *Woodlawn Stories: Mining Social and Cultural Geography Against the Flows.*
- 3:00** Alice Black, Ph.D.*, Missouri State University, *Geography of the Ozarks: A Service-Learning and Travel-Based Regional Course.*
- 3:20** Frances Roberts-Gregory*, University of California, Berkeley; Merita Bushi, Macalester College; Karineh Lohr, Salisbury University; Eric Main, Georgia State University; Roberta Moore, Rhodes College; Dwight Harris, Georgia State University; Jack Reed, Georgia State University; Leslie Edwards, Georgia State University; Timothy Hawthorne, Georgia State University, *Whose Greenspace is it Anyway? A Community Geography Case Study of Beecher Hills Lionel Hampton Nature Preserve in Southwest Atlanta.*
- 3:40** Emily Zupo Caltagirone*, University of South Florida; Sandra Garren, University of South Florida; Ashleigh Stewart, University of South Florida, *Carbon Storage from urban tree planting projects to offset greenhouse gas emissions from the Going Green Expos of 2008 and 2009 in the City of Tampa, Florida.*
- 1580. Borders Beyond Securitization II: Rethinking the Lines that Bind Us (Sponsored by Urban Geography Specialty Group)**
- Room:* Meeting Room 11, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Margath Walker, University of Louisville
- CHAIR(S): Margath Walker, University of Louisville
- 2:40** Joshua Labove*, Simon Fraser University, *B/ordering Canada: New legal tools to extend the post-9/11 border.*
- 3:00** Jason Cons*, Bucknell University, *Towards a Theory of Sensitive Space: Anxieties of Rule on the India-Bangladesh Border.*
- 3:20** Leigh Barrick*, University of British Columbia, *Mobilizations for an Accountable National Security at the United States-Canada Border.*
- 3:40** Jennifer Bickham Mendez*, The College of William and Mary, *Gendered Borders of Insecurity: Service Provision to Latina, Immigrant Mothers in Williamsburg, Virginia.*
- 1581. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 1 of 3)**
- Room:* Meeting Room 12, Marriott, Third Floor (Panel Session)
- ORGANIZER(S): Daniel Hammel, NSF; Kelley Crews, University of Texas
- CHAIR(S): Thomas Baerwald, National Science Foundation
- 1582. Political Activism I (Sponsored by Political Geography Specialty Group, Communication Geography Specialty Group)**
- Room:* Meeting Room 13, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Peter Wood, Florida State University
- CHAIR(S): Peter Wood, Florida State University
- 2:40** Allyssa Sobey*, West Virginia University; Bradley Wilson, PhD, West Virginia University, *Locating Conflict: Methyl Isocyanate, Community Activism, and Global Environmental Justice in West Virginia.*
- 3:00** Shambhavi Srivastava, Department of Geography, University of British Columbia; Shambhavi Srivastava*, University of British Columbia, *Sikh youth movements in Canada: Issues of identity, memory and social justice.*
- 3:20** Elizabeth Mason-Deese*, UNC-CH, *Constructing a Common Space: Territorial Organizing in Argentina's Unemployed Workers' Movements.*
- 3:40** Ruth Bowling*, the University of Tennessee, Knoxville, *Community Challenges the Art Market: A Case Study of the Antagonist Art Movement.*
- 4:00** Defne Sarsilmaz*, Florida International University, *Tracing the Syrian Conflict and Occupy Gezi Movement in Antakya, Turkey.*

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- 1601. Weather, Climate, and Health IV: Heat in Urban Areas (Sponsored by Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Health and Medical Geography Specialty Group)**
Room: Room 1, TCC, First Floor (Paper Session)
 ORGANIZER(S): David M Hondula, The University of Virginia; Jennifer Vanos, Texas Tech University; Michael Allen, Kent State University
 CHAIR(S): Jennifer Vanos, Texas Tech University
4:40 Jennifer K Vanos, PhD*, Texas Tech University; Aaron Hardin, Texas Tech University, *City-Specific Diurnal Variations in Urban Heat Island Development and Applications to Neighborhood Heat Health Interventions*.
4:55 XIAOXIAO LI*, Arizona state university; Yun Ouyang, Arizona State University; Billie L Turner II, Arizona State University; Anthony Brazel, Arizona State University, *Near-ground air temperature and landscape architecture in Phoenix, AZ: a spatio-temporal assessment*.
5:10 Darren Ruddell*, University of Southern California; Sharon L Harlan, PhD, Arizona State University; Benjamin L Ruddell, PhD, Arizona State University; Shuo Yang, Arizona State University, *Heat Advisory: An Investigation of Health Outcomes and Heat Warning Systems in Phoenix, AZ*.
5:25 Wen-Ching Chuang*, Arizona State University, *Contextual effects on the usefulness of a generic heat vulnerability index: a case study in Phoenix, Arizona*.
5:40 Austin C Stanforth, MS*, Indiana University - Indianapolis, IN, *Identifying Socio-Spatial Indications of Extreme Heat Risk for Mitigation Practices*.
- 1603. Geographic Thought (Sponsored by Scale and Sustainability)**
Room: Room 3, TCC, First Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): James D Macallister, University of Massachusetts Amherst Dept. of Geosciences
4:40 James D Macallister, M.S., F.L.S.*, University of Massachusetts Amherst Dept. of Geosciences, *A New View of Evolution*.
- 1604. Study Abroad**
Room: Room 4, TCC, First Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kristina Bishop, University of Arizona
4:40 Kristina Monroe Bishop*, University of Arizona, *"You are going to take them where?" Developing and Leading an Undergraduate Study Abroad to the Developing World*.
5:00 Lusiana Browning*, University of Delaware; Sophia Harmes, Ph.D.*, University of Delaware, *Study Abroad Geographic Expedition - Fiji Islands*.
- 1605. Geographies of Mobility III: Alternative Mobilities (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Tim Schwanen, University of Oxford
 CHAIR(S): Tim Schwanen, University of Oxford
4:40 Bilal Butt*, University of Michigan, *Mobilities of Pastoral Cattle - Does Herd Size Matter: Recent Case Study Evidence Combining MODIS NDVI And GPS Collars*.
5:00 Ningchuan Xiao*, The Ohio State University; Shanshan Cai, Ohio State University; Mark Moritz, Ohio State University; Rebecca Garabed, Ohio State University, *Modeling the movement of mobile pastoralists in the Far North Region, Cameroon*.
5:20 Chris Brennan-Horley*, University of Wollongong; Thomas Birtchnell, University of Wollongong; Gordon Waitt, University of Wollongong; Ellen Kraley, Colgate University, *On a Sidewalk To Nowhere: Unseating Street Planning Standards for Mobility Scooters*.
5:40 Simon Cook*, Royal Holloway, University of London, *Accomplishing Road-Running: Negotiating Space, Mobile Politics and Order on the Street*.
- 1606. FQG: Methodologies of Intimate Writing III -- Writing Intimately as Analysis (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)**
Room: Room 6, TCC, First Floor (Panel Session)
 ORGANIZER(S): Courtney Donovan, San Francisco State University; Pamela Moss, University of Victoria
 Panelists: Blake Hawkins, University of Northern British Columbia; Roberta Hawkins, University of Guelph; Vanessa Massaro, Penn State University; Ken Hillis, University Of North Carolina - Chapel Hill; James Tyner, Kent State University
- 1607. FQG: Postcolonial perspectives on geographies of gender and sexualities II (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**
Room: Room 7, TCC, First Floor (Paper Session)
 ORGANIZER(S): Maria Rodo-De-Zarate; Joseli Maria Silva, University os State of Ponta Grossa - Paraná - Brazil
 CHAIR(S): Joseli Maria Silva, University os State of Ponta Grossa - Paraná - Brazil
4:40 Maria Helena Lenzi*, Universidade de Sao Paulo; Daiane Paradise, Grupo Cultural AfroReggae; Felipe Petik Pasqualotto, Grupo Cultural AfroReggae; Tiago Cargnin Gonçalves, Universidade Federal do Rio de Janeiro, *(Trans)its: resistance strategies and the construction of spatiality for trans women from Rio de Janeiro's peripheral area*.
5:00 Adnilson De Almeida Silva*, Universidade Estadual de Ponta Grossa, *Feminine Knowledge and the 'Territorial Markers' Produced By Kawahib Women In The Brazilian Amazon*.
5:20 Clara Ribeiro*, Universidade de São Paulo, *Labor mobility and feminine migration: Bolivian women in São Paulo*.
5:40 Joseli Maria Silva*, State University of Ponta Grossa-Brazil, *Corporeality, Tropicalisations and the Transnational Sex Trade*.
- 1608. Changing Landscapes and Livelihoods in the Amazon Basin III (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Room 8, TCC, First Floor (Paper Session)
 ORGANIZER(S): Clark Gray, University of North Carolina at Chapel Hill; Christian Abizaid, University of Toronto
 CHAIR(S): David Salisbury, University Of Richmond
4:40 Clark Gray*, University of North Carolina at Chapel Hill; Matthew Bozigar, University of North Carolina at Chapel Hill; Richard Bilsborrow, University of North Carolina at Chapel Hill, *Wild Resource Use in the Ecuadorian Amazon: A Multi-Ethnic and Longitudinal Approach*.
5:00 Katherine MacDonald*, York University, *Rupununi Hauntings: Impacts of the Cattle Industry and Road Development in the Guyanese Amazon*.
5:20 Steve Aldrich, PhD*, Indiana State University, *Settlement Donuts: The Morphology of Settlement, Forest Fragmentation, and "Invisible" Changes in Contentious Southeastern Pará, Brazil*.
5:40 Juan Luis Dammert*, Clark University, *The politics of oil palm expansion in the Peruvian Amazon: growth coalitions, conservation and the decentralization of deforestation*.

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6:00 Nicholas Kotlinski*, University of Kansas, *Agro-Fuel Development in the Peruvian Amazon: Reading Conflicting Views.*

1609. Utilizing GIS in Public Health Policy (Sponsored by GIScience, GIS, and Public Policy)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): GIScience, GIS, and Policy

CHAIR(S): Fahui Wang, Louisiana State University

4:40 Katie H Thomson*, Department of Geography, Durham University; Sarah E Curtis, Department of Geography, Durham University (UK); Christine E Dunn, Department of Geography, Durham University (UK); The MOVE Project Team, Durham University (UK), *GIS as part of a public health promoting intervention trial in English Schools.*

5:00 Fahui Wang*, Louisiana State University; Ming Wen, Dr., University of Utah; Yanqing Xu, Louisiana State University, *Built Environment and Risk of Obesity in Utah: Uncertainty in Neighborhood Effects.*

5:20 Claus Rinner*, Ryerson University, Geography; Duncan MacLellan, Ryerson University, Politics and Public Administration; Krista Heinrich, Ryerson University, Master of Spatial Analysis program; Kathryn Barber, Ryerson University, PhD in Policy Studies program, *Place-Based Policy-Making with Area-Based Composite Indices - Conceptual Challenges and Community Uptake of "Wellbeing Toronto".*

5:40 Claus Rinner, Dr, Ryerson University; Heather Ann Hart*, Ryerson University; Suzanne Kershaw; Cara Mirabelli, Centre for Addiction and Mental Health; Elizabeth Lin, Centre for Addiction and Mental Health; Alexia Jaouich, Centre for Addiction and Mental Health, *The Role of Maps in Mental Health Care System Improvement and Policy Input.*

6:00 Barbara L. MacLennan*, West Virginia University, *Spatial Dimensions of Trash: 'Call your local solid waste authority'.*

1610. The Fukushima Disaster: Three Years Later 4 (Energy, industry and communities) (Sponsored by Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Economic Geography Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Daisaku Yamamoto, Colgate University;

Noritsugu Fujimoto, Fukushima University

CHAIR(S): Jessica Hayes-Conroy, Hobart & William Smith Colleges

4:40 Thomas Feldhoff*, Goethe University Frankfurt, *Japan's Post-Fukushima Community Energy Challenge.*

5:00 Kazunori Matsumura*, University of Tsukuba; Shigeru Yanaka, Tottori University, Japan, *Another sustainability 'battle': Problems with biomass power generation and 'self-logging' forestry in the Tohoku region.*

5:20 Masayuki Seto*, Fukushima University; Akira Takagi, Fukushima University, *Damages and restoration processes after the volcanic hazard and nuclear hazard.*

5:40 Satoru Masuda*, Tohoku Univ, *Panel survey of corporate activity in Tohoku region after the Great East Japan Earthquake: towards the estimation of economic damages and the evaluation of recovery process from earthquake, tsunami and nuclear hazard.*

1611. Political Ecology and Race III: City, Region, Nation (Sponsored by Cultural and Political Ecology Specialty Group, Racism and Violence)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Richard Milligan, University of Georgia; Levi Van Sant, university of georgia

CHAIR(S): Levi Van Sant, university of georgia

4:40 Alec Foster*, temple university, *Doing Identity in Urban Political Ecology.*

5:00 Michael Karp, PhD Candidate*, Saint Louis University, *A Troubled Place: Race and the Changing Political Ecology of Humboldt Bay's Largest Island.*

5:20 Eda Acara*, Ph.D Candidate (ABD), Queen's University, Canada, *National(ist) Landscapes of Territorial (In) visibilities.*

5:40 Ulrich Best*, York University, *Ordering bodies: the case of anti-Roma walls in Eastern Europe.*

6:00 Eli Meyerhoff, PhD*, University of Minnesota, *Study in the Wastes: School Dropouts, Sewage Sludge, and Decolonizing Environmental Justice.*

1612. Spatiotemporal Thinking, Computing and Applications

5: Urban Dynamics (Sponsored by Cyberinfrastructure Specialty Group, Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University;

Keith C. Clarke, University Of California, Santa

Barbara; Weihe Wendy Guan, Harvard University

CHAIR(S): Keith C. Clarke, University Of California, Santa Barbara

4:40 Xiaoling Zhang, PhD*, City University of Hong Kong; Dafang Wu, PhD, Guangzhou University; Martin Skitmore, Professor, Queensland University of Technology, *The spatiotemporal patterns of urban expansion: dynamics of landscape expansion and driving force.*

5:00 Tianming Chen*, Peking University; Weiwei Cao, the State Grid of China, *Modeling Urban Growth Pattern: A Case Study of Beijing, China.*

5:20 Yajuan Shi*, Henan University of Technology; Institute of Geographic Sciences and Natural Resources Research, CAS, *Transition of Chinese inland agglomeration in the spatial development pattern: An example of Zhongyuan Urban Agglomeration.*

5:40 Christopher M Parrett*, Penn State University, *Utilizing high-temporal NDVI data to perform unsupervised land-cover classification in order to characterize and detect changes in agricultural productivity in Nigeria..*

6:00 Diego Silva Ardila, PhD (c)*, Universidad Industrial de Santander, *Policy Mobilities and Urban Change in Latin America: Remaking Urban Landscapes and rethinking Urban Planning through implementation of BRT Policies.*

1613. Advancing Geographic Education

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Anthony Robinson, Pennsylvania State University

CHAIR(S): Michael Gould, Esri

4:40 Md Rajibul Al Mamun*, Department of Geography, South Dakota State University; Trisha Jackson, Department of Geography, South Dakota State University; George White, Department of Geography, South Dakota State University, *Should Geography Programs be classified as STEM?*

5:00 Carmen P. Brysch*, Texas State University; Richard G. Boehm*, Texas State University; Joanna Zadrozny*, Texas State University, *The Learning Cluster Method: Enhancing Online Professional Development in Geography.*

5:20 Heather R Houlton*, American Geosciences Institute; Michael N. Solem*, Association of American Geographers, *Geoscience Career MaPS: Master's Preparation Survey.*

5:40 Luc Zwartjes, MSc*, Geography Department Ghent University; Philippe De Maeyer, Prof.Dr., Geography

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Department Ghent University; Nico Van de Weghe, Prof.Dr., Geography Department Ghent University, *How to tackle the problems of implementing spatial thinking using GIS in secondary education. Ideas and tools from Europe.*

- 6:00** Michael Gould*, Esri Education, *Don't teach GIS as you learned it in grad school: new resources for new requirements.*

1614. Careers and Collaborations: Partnerships in Archives, Data Centers, and Libraries (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Paper Session)

ORGANIZER(S): Wade Bishop, University of Tennessee; Tony Grubestic, Oregon State University

CHAIR(S): Wade Bishop, University of Tennessee

- 4:40** Tony Grubestic*, Drexel University, *Geographic Information Librarianship: A Research and Teaching Agenda.*

- 4:55** Michael T Frame*, USGS, *USGS movement toward interdisciplinary science data life cycle management.*

- 5:10** Katherine H. Weimer, MLIS*, Texas A&M University Libraries, *GeoHumanities and Spatial Thinking with Map and GIS Librarians.*

- 5:25** Glen Meaninch*, Ky Dept for Libraries & Archives, *Archival Perspective on the Preservation and Use of Geospatial Records.*

- 5:40** Wade Bishop*, University of Tennessee, *Job Analyses of Emerging Geographic Information Professions.*

- 5:50** Carol McAuliffe*, University of Florida, *Moving beyond our borders: The role of geographic information librarians in K-12 educational partnerships.*

- 6:05** Lynda Wayne, GISP, ASLA*, GeoMaxim / Federal Geographic Data Committee, *Finding Your Inner Data Manager.*

1615. Financialization of Urban Governance in the Post-Entrepreneurial State-2 (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Robert W. Lake, Rutgers University; Kathe Newman, Rutgers University

CHAIR(S): Kathe Newman, Rutgers University

- 4:40** Timothy J. Brock*, University of Kentucky, *Entrepreneurial Governance and the Spatial-Fixity of Capital Investment: The increasing mobility of private capital through public infrastructure investment.*

- 5:00** Kevin Ward, Professor*, University of Manchester, *From "batling blight" to "corporate welfare": the experiences of Redevelopment Agencies (RDAs) and Tax Increment Financing (TIF) in California.*

- 5:20** Carolina K. Reid, Assistant Professor*, UC Berkeley; Hannah Birnbaum, PhD Student, UC Berkeley, *Cities and Financial Inclusion.*

- 5:40** Robert W. Lake*, Rutgers University, *Social Enterprise, Impact Investing, and the End of Urban Public Policy.*

Discussant(s): Richard Walker, University of California-Berkeley;

Shaina Potts, UC Berkeley Geography

1616. Global Populations and Human Development: Mapping and Research Initiatives (Sponsored by Population Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Nancy K. Torrieri, U.S. Bureau Of the Census

CHAIR(S): Robert M Leddy, U.S. Bureau Of the Census

- 4:40** Joao Francisco de Abreu*, Catholic University of Minas Gerais-Brazil; Jose E Paiva, Dr, Federal University of Minas Gerais/Brazil, *Mapping Brazilian Social-Economic Transformations With Data Of*

1991, 2000, And 2010.

- 4:58** Nirav N Patel, M.S.*, University of Florida; Paolo Gamba, PhD, University of Pavia; Andrew J Tatem, PhD, University of Southampton, *The role of High Resolution Population Mapping in Validating Extraction of Urban Settlements from the Google Earth Engine.*

- 5:16** Andrea E Gaughan*, University of Louisville; Forrest R. Stevens, University of Florida; Catherine Linard, Université Libre de Bruxelles; Nirav Patel, University of Florida; Andrew J Tatem, University of Southampton, *Detailed spatial demographic data in land change systems: the WorldPop project.*

- 5:34** Robert M Leddy*, U.S. Bureau Of the Census, *U.S. Census Bureau Global Subnational Data Sets.*

1617. Critical Geographies of Religion II: Citizenship, Identity, and Belonging (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Caroline Nagel, University of South Carolina; Peter Hopkins, Newcastle University, UK

CHAIR(S): Caroline Nagel, University of South Carolina

- 4:40** David K. Seitz, PhD Candidate*, University of Toronto, *"We Always Have to be on the Side of David, Not Goliath": Recasting the Political in a Queer Church.*

- 5:00** Anna Mansson McGinty*, University of Wisconsin-Milwaukee, *Muslim American Youth: Identities in the Intersection of Religious and Secular Discourses.*

- 5:20** Peter Hopkins*, Newcastle University, UK; Katherine Botterill, Newcastle University; Rowena Arshad, University of Edinburgh; Gurchathen Sanghera, University of St Andrews, *Everyday geopolitics and faith in the suburbs.*

- 5:40** Laura Premack, Ph.D.*, Bowdoin College, *"Without Religion": Spiritism and the Everyday Sacred in Brazil.*

- 6:00** Caitlin C Finlayson, PhD*, University of Mary Washington, *The Space of Memories: Exploring the Influence of Personal Histories on Experiences of Sacred Space.*

1618. Animal Geography

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Suzi Wiseman, Texas State University - San Marcos

- 4:40** Tedd Darnell, student*, Montana Tech University, *Discourse on Urban Predator Spatial Arrangement.*

- 5:00** Richard Merritt, Professor*, Luther College, *Invisible Geographies: Violence and Oppression in the Prison-Industrial Complex and Concentrated Animal Feeding Operations..*

- 5:20** Andrew Myers*, University of Montana; David Shively, Ph.D., University of Montana, *The Social Construction of Wolves: The Role of Trapping in Wolfscapes.*

- 5:40** Suzi Wiseman, ABD*, Texas State University - San Marcos, *Understanding the Soundscape experienced by the Southern White Rhinoceros (*Ceratotherium simum simum*) at a Wildlife Park Conservation Center - a Methodology.*

- 6:00** Lucy Romeo*, Oregon State University; Julia Jones, Ph.D., Oregon State University; James Graham, Ph.D., Humboldt State University, *Modeling the Habitat of Beluga Whales (*Delphinapterus leucas*).*

1619. Assembling life at the "margin": Critical assemblage thinking and urban marginality - Part III: Rethinking marginal space(s)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Michele Lancione, UTS

CHAIR(S): Michele Lancione, UTS

- 4:40** Cheryl Gilge, Ph.D.*, University of Washington, *Citizen Participation as Microfascism: The Hidden*

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Opportunity Costs of Open Source.

5:00 Tawhanga Mary Legs Nopera, MFA, PhD Candidate*, University of Waikato, *Under Heartbeat City's golden sun: Maoritanga and the margins of performing the ultimate urban.*

5:20 Ellen van Holstein*, University of Wollongong, *Spatial struggles in the micro-political site of the community garden.*

5:40 Darren Patrick*, York University, *From wasted lands to ecological icons: Queer ecology as a realm of political and ethical intervention in dominant urbanization processes.*

Discussant(s): Kim Dovey, University of Melbourne

1620. Parks and Play in an Urban Environment

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Anna-Kaisa Kuusisto-Arponen, University of Tampere
CHAIR(S): Anna-Kaisa Kuusisto-Arponen, University of Tampere

4:40 Solhyon Baek*, University at Buffalo, The State University of New York; Samina Raja, University at Buffalo, The State University of New York; Jiyoung Park, University at Buffalo, The State University of New York; Leonard H. Epstein, University at Buffalo, The State University of New York; Li Yin, University at Buffalo, The State University of New York; James N. Roemmich, USDA-ARS-NPA, *Park Design and Children's Active Play A Micro-Scale Spatial Analysis of Intensity of Play in Olmsted's Delaware Park.*

5:00 Perumal Balakrishnan*, Qatar University, *Child-friendly Neighbourhood Planning for Doha City.*

5:20 Ihui Lin*, University of Wisconsin-Milwaukee, *Analyzing the influences of park attributes on nearby property values using multilevel models.*

5:40 Jeffrey A Onsted, PhD*, Florida International University, *Wide open places and cramped little spaces: techniques for examining land use policy over a heterogeneous regulatory landscape.*

6:00 Anna-Kaisa Kuusisto-Arponen*, UNIVERSITY OF TAMPERE; Markus Laine*, University of Tampere, *Lost in translation? Children's play and embodied knowledge in city planning.*

1621. Critical Reflections on Mental Health and Wellness in the Academy III

Room: Room 21, TCC, First Floor (Panel Session)

ORGANIZER(S): Linda Peake, York University; Beverley Mullings, Queen's University
CHAIR(S): Kate Parizeau, University of Guelph
Panelists: Beverley Mullings, Queen's University; Kate Parizeau, University of Guelph; Lawrence D Berg, University of British Columbia; Eric Windhorst, McMaster University; David Conradson, University of Canterbury; Sarah E Mann; Laurence Simard-Gagnon, Université Laval

1622. Symposium on Synergistic Advances of CyberGIS and Geography: CyberGIS Education (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 22, TCC, First Floor (Panel Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Timothy Nyerges, University of Washington; Krzysztof Janowicz, University of California, Santa Barbara
CHAIR(S): Michael F. Goodchild, University of California - Santa Barbara

Discussant(s): Wenwen Li, Arizona State University; Shaowen

Wang, University of Illinois at Urbana-Champaign
Panelists: Timothy Nyerges, University of Washington; Daniel Goldberg, Texas A&M University; Eric Shook, Kent State University

1623. Paleorecords V. Documenting and Modeling Fire History and Impacts at Local to Global Scales (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Sally P. Horn, University Of Tennessee; Michelle Goman, Sonoma State University; Catherine Yansa, Michigan State University

CHAIR(S): Catherine Yansa, Michigan State University

4:40 Tsige Gebru*, University of Cologne; Seminar for Geography and Education; Gronewaldstrasse 2; 50931 Cologne; Germany; Finn A Viehberg, University of Cologne; Institute of Geology and Mineralogy; Zulpicher Str.49A; 50674 Cologne; Germany; Ute Frank, Helmholtz Centre Potsdam, German Research Centre for Geosciences, Telegrafenberg, 14473 Potsdam; Germany; Asfawossen Asrat, Addis Ababa University, School of Earth Sciences; P. O. Box 1176, Addis Ababa, Ethiopia; Mohammed Umer, Addis Ababa University, School of Earth Sciences; P. O. Box 1176, Addis Ababa, Ethiopia; Michael E Weber, University of Cologne; Institute of Geology and Mineralogy; Zulpicher Str.49A; 50674 Cologne; Germany; Verena Foerste, University of Cologne; Seminar for Geography and Education; Gronewaldstrasse 2; 50931 Cologne; Germany; Volker Wennrich, University of Cologne; Institute of Geology and Mineralogy; Zulpicher Str.49A; 50674 Cologne; Germany; Janet Rethemeyer, University of Cologne; Institute of Geology and Mineralogy; Zulpicher Str.49A; 50674 Cologne; Germany; Maxwell C Brown, Helmholtz Centre Potsdam, German Research Centre for Geosciences, Telegrafenberg, 14473 Potsdam; Germany; Eva Lehnendorff, University of Bonn, Institute of Crop Science and Resource Conservation - Soil Science and Soil Ecology, Nussallee 13; 53115 Bonn, Germany; Valery J Terwilliger, University of Kansas Department of Geography, USA and Institut des Sciences de la Terre Orléans, France; Henry Lamb, Institute of Geography and Earth Sciences, Aberystwyth University, Aberystwyth SY23 3DB, U.K.; Frank Schabitz, University of Cologne; Seminar for Geography and Education; Gronewaldstrasse 2; 50931 Cologne; Germany, *Fire and climate change in southern Ethiopia Rift Valley during the last 9,000 years from charcoal, geophysical and geochemical analyses of Lake Chamo.*

5:00 Mathew S. Boehm*, Department of Geography, University of Tennessee, Knoxville; Sally P. Horn, Department of Geography, University of Tennessee, Knoxville; James A. Hyatt, Department of Environmental Earth Science, Eastern Connecticut State University, *A Holocene Record of Fire from the Southeastern Coastal Plain.*

5:20 Lauren A. Stachowiak*, University of Tennessee; Henri D. Grissino-Mayer, University of Tennessee; Nicholas N. Nagle, University of Tennessee; Grant L. Harley, University of Southern Mississippi, *Applied GIS and Fire Behavior in a Pine Rockland Ecosystem, Big Pine Key, Florida, USA.*

5:40 Amoreena Thissell*, The Pennsylvania State University; Jennifer K. Balch, PhD, The Pennsylvania State University; Rafael Andrade, PhD, Universidade Estadual de Campinas, *The Role of Plant Traits in Determining Flammability in Southern Amazon Forests.*

6:00 Brian I Magi*, UNC Charlotte; Jennifer R Marlon, Yale

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University; Patrick J Bartlein, University of Oregon, *Disentangling the Influence of Climate and Humans on Fire Using Paleorecords and a Global Fire Model.*

1624. Advances and Challenges in Digital Elevation Models V (Sponsored by Coastal and Marine Specialty Group, Spatial Analysis and Modeling Specialty Group, Geomorphology Specialty Group)

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Barry Eakins, University of Colorado; Jeffrey J. Danielson, United States Geological Survey

CHAIR(S): John Brock, USGS

Introducer: John Brock

4:45 Amy C. Foxgrover*, USGS Pacific Coastal and Marine Science Center, Santa Cruz, CA; Patrick L. Barnard, USGS Pacific Coastal and Marine Science Center, Santa Cruz, CA; Jeffrey J. Danielson, USGS Earth Resources Observation & Science (EROS) Center, Sioux Falls, SD; Dean Tyler, USGS Earth Resources Observation & Science (EROS) Center, Sioux Falls, SD; Andrea O'Neill, USGS Pacific Coastal and Marine Science Center, Santa Cruz, CA, *Mapping Potential Impacts of Climate Change on the San Francisco Bay Area: Challenges and Lessons Learned.*

4:53 Qimin Cheng*, Huazhong University of Science & Technology; Tao Tang, Department of Geography and Planning, State University of New York; Zhenfeng Shao, Wuhan University; Liang Wu, China University of Geosciences, *Three-dimensional Reconstruction of Underground Mining Area Based on Terrestrial Laser Scanner.*

5:01 Ryan W Keeling*, University of Michigan - Dearborn; Jacob Napieralski, Ph.D., University of Michigan - Dearborn, *The Investigation of a Centuries Change in Bathymetry of Henry Ford's Fair Lane Lake.*

5:09 Zurui Ao*, Capital Normal University; Zhanqiang Chang, Capital Normal University; Jing Zhang, Capital Normal University, *Comprehensive Analysis for Accuracy of SRTM DEM.*

1626. Coastal Hazards, Risks and Disasters: Enhancing Safety in an Era of Global Change (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group)

Room: Ballroom A, TCC, First Floor (Panel Session)

ORGANIZER(S): Timothy Collins, University of Texas - El Paso

CHAIR(S): Timothy Collins, University of Texas - El Paso

Panelists: Sam Brody, Texas A&M University; Craig Colten, Louisiana State University; Susan Cutter, University of South Carolina; Graham A. Tobin, University of South Florida; Barry Keim, Louisiana State University; Bimal Kanti Paul, Kansas State University

1630. Water in African Cities (Sponsored by Africa Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Sarah Smiley, Kent State University at Salem;

Hilary Hungerford, South Dakota State University

CHAIR(S): Hilary Hungerford, South Dakota State University

4:40 Sara Beth Keough, Ph.D.*, Saginaw Valley State University; Scott M Youngstedt, Ph.D., Saginaw Valley State University, *The Material Culture of Water in Niamey, Niger: Preliminary Report.*

5:00 Sarah L Smiley*, Kent State University at Salem; Hilary Hungerford*, South Dakota State University, *Legacies of Historical Water Access in Niamey, Niger and Dar es Salaam, Tanzania.*

5:20 Elizabeth K Dapaah*, University of British Columbia, *Despair and neglect in the middle of abundance: Water Governance and Access in Old Accra, Ghana..*

5:40 Amy R Krakowka, PhD*, USMA; Dylan Malcomb, West

Point, USMA, *Exploring Complex Networks of Water Vulnerability in Uganda.*

Discussant(s): Francis Koti, University of North Alabama

1631. Rivers and Wetlands

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nicholas Clifford, King's College London

4:40 Kristen M Balschunat*, SUNY Geneseo Department of Geography; Mariya Guzman, Montclair State University Department of Earth and Environmental Sciences; Matthew McNicholas, Bergen Community College Department of Biology; Benjamin Muller, County College of Morris Department of Environmental Sciences; Joshua Galster, PhD, Montclair State University Department of Earth and Environmental Studies; Gregory Pope, PhD, Montclair State University Department of Earth and Environmental Studies; Meiyin Wu, PhD, Montclair State University Department of Biology and Molecular Biology, *The Impact of Land Use on Stream Geomorphology.*

5:00 Feifei Pan*, University of North Texas, *An innovative and robust approach to measure river discharge from space using Landsat imagery.*

5:20 Sushil Tuladhar*, Department of Geography and UNI Environmental Science Programs, University of Northern Iowa; Mohammad Iqbal, Department of Earth Science, University of Northern Iowa, *Understanding the Spatial Dimensions and Critical Role of a Wetland in Sustaining the Ecosystem: A Case Study of Beaver Valley Wetland, Iowa.*

5:40 Nicholas J Clifford, Professor*, King's College London; Ben Smith, King's College London, *The changing nature of river restoration: an analysis of policy drivers.*

1632. Behavioral and psychological responses to weather in everyday life (Part II: Thermal comfort, heat and extreme weather) (Sponsored by Geographies of Climate Change)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Mario Cools, LEMA, Université de Liège; Lars Bocker

CHAIR(S): Mario Cools, LEMA, Université de Liège

4:40 Robert Dare, AICP, MCIP*, McGill University, School of Urban Planning, *The Urban Heat Island Effect and Increased Vulnerability to Extreme Heat Events: A Review of Efforts to Reduce Vulnerability.*

5:00 Antje Katschner*, BTU Cottbus-Senftenberg; Sebastian Kupski, University of Kassel, *Analysis of subjective thermal comfort for the purpose of calibrating the bio meteorological Index PET.*

5:20 David Perkins*, UNC-Greensboro; Keith Debbage, PhD, UNC-Greensboro, *Thermal Comfort, Weather, and Consumer Behavior: Influences on Visitor Attendance at Four U.S. Metropolitan Zoos.*

5:40 Betsy Breyer*, Portland State University, *Household Water Use and Neighborhood Context: A Multilevel Approach.*

6:00 Lou McNally, Ph.D.*, Climate Change Institute, UMaine, and ERAU, *Weather Warnings For All: Why Do Some People Just Not Listen?.*

1633. Geodiscoveries 2013 (Sponsored by Retired Geographers Affinity Group)

Room: Room 33, TCC, Fourth Floor (Interactive Short Paper Session)

ORGANIZER(S): William Rense

CHAIR(S): William Rense

4:40 Christine Drake, Ph.D.*, Old Dominion University, *Western Sahara: What a Transformation!.*

4:45 Stephen Tweedie*, Oklahoma State University, *Revisions to James Beard Foundation regions used for chef and*

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restaurant awards..

- 4:50** William C. Rense*, Retired, *Surviving the Colorado Floods of 2013.*

1634. Urban Problems

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Briavel Holcomb, Rutgers University

- 4:40** Erin Daly*, Macalester College, *Social Implications of Bicycle Infrastructure in America's Best Cycling Cities.*

- 5:00** Joshua J Vertalka*, Michigan State University, *Turning Neogeography into NeoGeography: Spatially Reorganizing Vaccination Programs in Detroit, Michigan and Portland, Oregon for Influenza Outbreaks among Minorities.*

- 5:20** Courtney Jones*, Wilfrid Laurier University; Colin Robertson, PhD, Wilfrid Laurier University; Martin Sykora; Thomas W Jackson; Ann O'Brien, *Using Twitter to Spatially Represent Acute Stress in an Urban Centre.*

- 5:40** Zack Avre*, Macalester College, *A Dream Foreclosed: The Uneven Geography of the Foreclosure Crisis in the Twin Cities.*

- 6:00** Briavel Holcomb*, Rutgers University, *Online gambling: The final nail in Atlantic City's coffin?.*

1635. Research in Geographic Education (Sponsored by Geography Education Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Gillian Acheson, Southern Illinois University Edwardsville; Niem Huynh, Association of American Geographers

CHAIR(S): Injeong Jo, Texas State University

- 4:40** Niem Huynh*, Association of American Geographers; Seungwon Park*, Texas A&M University-Corpus Christi, *How are non-geography majors motivated in a large introductory world geography course?.*

- 5:00** Robert Bednarz*, Texas A&M University, *GIS, Critical Thinking, and Spatial Habits of Mind.*

- 5:20** Joshua Martin Rudow*, University of Texas-Austin Department of Geography; Moulay Anwar Sounny-Slitine, Environmental Studies Program, Southwestern University, *The use of video blogs for instruction of GIS and other digital geographic methods.*

- 5:40** Injeong Jo*, Texas State University; Sarah W Bednarz*, Texas A&M University, *Dispositions toward teaching spatial thinking through geography: How can they be defined and assessed?.*

Discussant(s): Sarah Bednarz, Texas A&M University

1636. T3G: The First Five Years (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group)

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Michael N. DeMers, New Mexico State University

CHAIR(S): Reed Perkins

- 4:40** Joseph J. Kerski, Ph.D.*, Esri; Michael DeMers, Ph.D., New Mexico State University, *Best Practices for GIS Instruction: The T3G Community.*

- 5:00** Jung Eun Hong*, University of West Georgia, *GIS Teacher Training based on TPACK.*

- 5:20** Reed Perkins*, Queens University of Charlotte, *Addressing Climate Change in Micronesia: Applying the Lessons of T3G.*

- 5:40** Rebecca Theobald*, University of Colorado Colorado Springs, *Who makes decisions about teaching GIS in primary and secondary schools?.*

Discussant(s): Larianne Collins, University of South Carolina

1637. New Geographies of Philanthropy and Giving: Adaptation

and resistance under increased austerity (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Elyse Gordon; Helen Olsen, Rutgers University

CHAIR(S): Helen Olsen, Rutgers University

- 4:40** Nina Martin, PhD*, University of North Carolina at Chapel Hill, *Organizing Immigrants in the U.S. South: The Geography and Politics of Service Provision and Advocacy.*

- 5:00** Jane Pollard, Professor*, Newcastle University; Kavita Datta, Dr, Queen Mary University London; Al James, Dr, Queen Mary University London; Quman Akli, Queen Mary University London, *Philanthropy and Migrant Financial Diasporas Through London's East End.*

- 5:20** Ryan Gibson*, University of Saskatchewan, *Translating Sense of Place into New Geographies of Philanthropy? The Case of Newfoundland, Canada.*

- 5:40** Helen Elizabeth Olsen*, Rutgers University, *Strategies of Survival: Nonprofit's Adaptive Capacity in the Face of Financial Austerity.*

Discussant(s): Elyse Gordon

1639. Historical Ecology 2 (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Chris Larsen, University At Buffalo; Yi-Chen Wang, National University of Singapore

CHAIR(S): Chris Larsen, University At Buffalo

- 4:40** Joy Fritschle*, West Chester University of Pennsylvania, *A Historical Reconstruction of Prairie-Oak Woodland-Coniferous Forest Ecotone Dynamics in the Northern Coast Redwood Region.*

- 5:00** Susan Benjamin*, United States Geological Survey, *Archive of Repeat Photographs Allows Examination of Arid Landscape Change from 1800s to Present Day.*

- 5:20** Cary J Mock*, University of South Carolina; Michele McWaters, Charles River Laboratories; William G Schmitz, Southeast Regional Climate Center; David W Stahle, University of Arkansas; Neil Pederson, Lamont-Doherty Earth Observatory, *Historical Ecology and Historical Climatology.*

- 5:40** Nancy E Westcott, PhD*, Illinois State Water Survey, Midwestern Regional Climate Center; Leslie Stoecker, Illinois, State Water Survey, Midwestern Regional Climate Center, *Highs and Lows of the 19th Century Weather Data Archive.*

- 6:00** Joseph J. Danko, III*, Clark University, *Spatial Analysis of Environmental Contamination and Social Injustice as an Industrial Legacy of Worcester, Massachusetts (1870-2013).*

1640. The Making and Unmaking of 21st century Rio de Janeiro (Sponsored by Latin America Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): James Freeman, Concordia University;

Christopher Gaffney, Universidade Federal Fluminense

CHAIR(S): James Freeman, Concordia University

- 4:40** Malte Steinbrink*, Institute for Geography, University of Osnabrueck, *Favelas and Events.*

- 5:00** Lawrence A. Herzog*, San Diego State University, *Ecological Challenges for a Global Suburb: The Case of Barra da Tijuca, Rio de Janeiro, Brazil.*

- 5:20** Kate Steiker-Ginzberg*, Morar Carioca: *The Integration of the Favelas of Rio de Janeiro and the Olympic Project.*

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5:40 James Freeman*, Concordia University, *Accumulation by Forced Removal: The thinning of Rio de Janeiro's favelas in preparation for the games.*

Discussant(s): Christopher Gaffney, Universidade Federal Fluminense

1654. European Research Council - Top European grants for brilliant minds from across the world

Room: Grand Salon C, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Katja Meinke, ERCEA

CHAIR(S): Katja Meinke, ERCEA

Discussant(s): Stefan Bouzarovski, University of Manchester; Denise Pumain, University Paris I; Rob Kitchin, National University Of Ireland

Panelists: Katja Meinke, ERCEA

1655. Solid Waste, Sanitation, and the Environment

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anna M West, Stanford University

4:40 Anna M West*, Stanford University, *Sanitary Subjects: Home Hygiene, the Healthy Village, and the Rural Imaginary in Malawi.*

5:00 Ogunleye-Adetona Iyabo Comfort, University of Cape Coast, Ghana; Comfort Iyabo Ogunleye-Adetona*, Educational Institution, *Residents' Perceptions of Human-Induced Environmental Challenges in the Birim Central Municipality, Ghana.*

5:20 Pankaj Lal, PhD*, Assistant Professor Environmental Economics and Policy, Department of Earth and Environmental studies, Montclair State University, Montclair NJ 07043; Gin Dean Sanchez, PhD Candidate, Environmental Management Program, Earth and Environmental Studies, Montclair State University, Montclair NJ 07043; Andres Susaeta, PhD, Postdoctoral Associate, School of Forest Resources and Conservation, University of Florida, Gainesville FL 32611, *Willingness to pay for improved solid waste management: Experimental evidence from a choice experiment in the Dominican Republic.*

5:40 Gin Dean Sanchez, PhD Candidate (Environmental Management)*, Department of Earth and Environmental Studies Montclair State University; Pankaj Lal, Assistant Professor Environmental Economics and Policy, Department of Earth and Environmental Studies, *Life Cycle Assessment of Solid Waste Management System in the Dominican Republic.*

6:00 Sai Ng*, The Chinese University of Hong Kong; Siu Kwan Lui, The Chinese University of Hong Kong, *The Myth of Recycling in Hong Kong.*

1666. Culture, Agriculture and Tradition III: Food Sovereignty and Sustainability (Sponsored by Scale and Sustainability, Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Florida Salon V, Marriott, Second Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): RDK Herman, National Museum of the American Indian

4:40 Kari Hicks*, Indiana University, *The Carrot and the Stick: potentials for a biopolitics approach in exploring US food sovereignty.*

5:00 James Klepek, Dr.*, Visiting Assistant Professor, Rollins College, Department of Environmental Studies, *Organic Intellectuals: Food Sovereignty, Agroecology and Resistance to Genetically Modified (GM) Agriculture in Guatemala.*

5:20 ZIHLING HUANG*, National Taiwan University, *Back to the land? Why are the alternative food networks and sustainable agriculture growing in rural Taiwan?.*

5:40 Consuelo Guayara Sanchez*, University of Iowa, *Between self-reliance and entrepreneurship: cross-scale interactions in sustainable food production projects.*

Discussant(s): Hilda Kurtz, University of Georgia

1669. Exploring Southern Landscapes of Memory with Digital Methods and Technologies (Sponsored by Study of the American South Specialty Group, The American South)

Room: Meeting Room 2, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Derek H. Alderman, University of Tennessee; Stephen Hanna, University of Mary Washington

CHAIR(S): Derek H. Alderman, University of Tennessee

Panelists: Fitzhugh Brundage, University of North Carolina; David Butler, University Of Southern Mississippi; Perry Carter, Texas Tech University; Janna R. Caspersen, University of Tennessee; G. Rebecca Dobbs, University of North Carolina at Chapel Hill; Stephen Hanna, University of Mary Washington

1671. Lively commodities panel (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Rosemary-Claire Collard, University of Toronto; Jessica Dempsey, University of Victoria

CHAIR(S): Jesse Goldstein, Graduate Center, CUNY

Introducer: Rosemary-Claire Collard

Discussant(s): Emily Gilbert, University of Toronto

Panelists: James McCarthy, Clark University; Paul Jackson, Dartmouth College; Bruce Braun, University of Minnesota - Minneapolis

1672. Economic Geography IV - Resilience and Policy (Sponsored by Economic Geography Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Dieter F. Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David Rigby, UCLA

CHAIR(S): Dieter F. Kogler, University College Dublin

4:40 Andrea Morrison*, Utrecht University; Lorenzo Zirulia, PhD, Università degli Studi di Bologna, *Decline or resilience? Under which conditions regional economies overcome external shocks.*

5:00 Pierre-Alexandre Baland*, Utrecht University; David Rigby, University of California Los Angeles; Ron Boschma, Lund University, *Getting out of technological crisis: the resilience of U.S. cities from 1976 to 2004.*

5:20 Mikel Gómez-Uranga, University of the Basque Country; Jon Mikel Zabala-Iturriagagoitia*, Deusto Business School, *Adaptation of business routines and geographic spaces to rapid environmental changes.*

5:40 Sergio Petralia*, Utrecht University; Andrea Morrison, Utrecht University; Pierre-Alex Baland, Utrecht University, *The Changing Geographies of Knowledge Production and Diffusion in Latin American Countries: is it an inward oriented model?.*

Discussant(s): Helen Lawton Smith, Birkbeck University of London

1673. High-Performance and Large-Scale Geospatial Computing II: Applications and Case Studies (Sponsored by Cyberinfrastructure Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Dilip Patlolla, ORNL; Eric Shook, Kent State University; Qingfeng Guan, China University of Geosciences (Wuhan)

CHAIR(S): Dilip Patlolla, ORNL

4:40 Wenpeng Feng*, UNCC; Wenwu Tang, UNCC, *The Use of Heterogeneous High-performance Computing for Parallel Map Projection.*

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5:00 Bin Li*, Central Michigan University, *Using exemplars for Big geospatial Data analysis.*

5:20 Chetan Tiwari*, University of North Texas; Joseph Oppong, University of North Texas, *A Parallel Processing Approach for Producing Smoothed Maps of Temporal Change in Disease Burdens.*

5:40 Jing Deng*, University of North Carolina, Charlotte; Wenwu Tang, University of North Carolina, Charlotte, *Dynamic Parallel Implementation of Douglas-Peucker Algorithm with GPGPUs.*

6:00 Liquan Chen*, Massachusetts Institute of Technology, *Redefining the Typology of Land Use with Big Data.*

1674. Contested Spaces: Land Use, Race, and Gender in the American South (Sponsored by Study of the American South Specialty Group, The American South)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

ORGANIZER(S): The American South

CHAIR(S): Nancy Perry, George Mason University

4:40 Christine Mitchell*, FAU Geosciences, *Contested Spaces: Latino Saw Palmetto Berry Pickers and Access to Public Lands in Florida.*

5:00 David Himmelfarb*, University of Georgia; Cassandra Johnson Gaither, US Forest Service; Meredith Welch-Devine, University of Georgia, *Caught between the Market and the Family: African American Land Retention and Loss in the Low Country.*

5:20 Nancy Perry*, George Mason University, *Eminent domain destroys a community.*

1679. Author Meets Critics: Jamey Essex's Development, Security, and Aid: Geopolitics and Geoeconomics at the U.S. Agency for International Development (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Clayton Rosati, Bowling Green State University

CHAIR(S): Clayton Rosati, Bowling Green State University

Introducer: Clayton Rosati

Discussant(s): Jamey Essex, University of Windsor

Panelists: Edward Carr, University of South Carolina; Carrie Breitbach, Chicago State University; Pablo Bose, University of Vermont; Lisa Bhungalia, Syracuse University; Matthew Sparke, University Of Washington

1680. Borders Beyond Securitization III: Rethinking the Lines that Bind Us (Sponsored by Urban Geography Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Margath Walker, University of Louisville; Jamie Winders, Syracuse University

CHAIR(S): Margath Walker, University of Louisville

4:40 Toby Applegate*, Rutgers, The State University of New Jersey, *Traumatic Masculinities: displacement and disruption of male bodies in Slovenia and Mexico..*

5:00 André E Suchet*, University of Grenoble Alpes, *The Europe of cross-border professionals. Attitudes towards the European Union of cross-border technicians in France.*

5:20 Hannes Gerhardt*, University of West Georgia, *Financial Crisis and the Fed's Post-territorial Imaginary.*

5:40 Peter J Davidson, Ph.D.*, University of California, San Diego; Carmen J Fernandez-Casanueva, Ph.D., El Colegio de la Frontera Sur; Valerie J Mercer, University of California, San Diego; Sonia Morales Miranda, MSc, Universidad del Valle de Guatemala; Michele Sheldin, Ph.D., New York University; Gabriela Paz-Bailey, Ph.D., Universidad del Valle de Guatemala; Kimberly C Brouwer, Ph.D., University of California, San Diego, *Cruzando fronteras: Drug use*

and mobility at the Guatemala/México border.

Discussant(s): Jamie Winders, Syracuse University

1681. Arendtian Geographies (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Daanish Mustafa, King's College, London

CHAIR(S): Richard Bater, King's College London

4:40 Daanish Mustafa*, King's College, London; Matthew Tillotson, King's College, London; Katherine Brown, Dr., King's College, London, *Antipode to Terror: Spaces of Performative Politics.*

5:00 Florian Duenckmann*, University of Kiel, Germany, *The private, the social, and the political: Arendt's realms as performed geography.*

5:20 Julian Shaw*, King's College London, *Politics, Violence and Public Space - Drawing on insights from Arendt and Lefebvre.*

Discussant(s): Bernard Debarbieux, university of Geneva

1682. Political Activism II (Sponsored by Political Geography Specialty Group, Communication Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Peter Wood, Florida State University

CHAIR(S): Peter Wood, Florida State University

4:40 Ilse Helbrecht, Prof. Dr.*, Humboldt Universität Berlin; Peter Dirksmeier, Dr., Humboldt-Universität Berlin; Sebastian Schlueter, Humboldt-Universität Berlin, *The Changing Nature of Labour Protest: Comparing the Fragmentation of Protest Rituals on May 1st in Berlin (Germany) and Budapest (Hungary).*

5:00 Juan Herrera*, UCLA, *Care is Political: The Chicano Movement and Community Practices of Care.*

5:20 Trevor K. Fuller*, SUNY Oneonta, *Environmental Injustice: Institutions, Influence, and Inactivism.*

5:40 Ina Castro, Full Professor*, Universidade Federal do Rio de Janeiro, *Which Spaces for Democracy in Brazil?.*

6:00 Hopfinger Hans*, Catholic University of Eichstätt-Ingolstadt, *"Arab Spring" and its Impact on Tourism: Egypt and Tunisia as Case Studies.*

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AAG Opening Session and Presidential Plenary

Tuesday, April 8, 6:30 p.m. - 8:00 p.m.

Room: Grand Salon E, Marriott, Second Floor

Welcoming Remarks:

Douglas Richardson, AAG Executive Director

Julie Winkler, AAG President, Michigan State University

Presidential Plenary: Geographies of Climate Change

Introduction: **Julie Winkler**, AAG President, Michigan State University

Speakers:

Mike Hulme, King's College London

Linda Mearns, National Center for Atmospheric Research

Susanne Moser, Stanford University and University of California, Santa Cruz

Marshall Shepherd, American Meteorological Society

Climate change is a major environmental challenge facing humankind today. *Geographies of Climate Change*, a featured theme for the upcoming AAG Annual Meeting in Tampa, highlights the complex spatial dimensions of climate change including the observed and anticipated geographical differentiation in potential impacts and vulnerability. The theme will address such topics as the scientific complexity and uncertainty of climate change, its political and policy contextualization, the challenges of formulating adaptation and mitigation strategies, and the importance of effective communication strategies. The Presidential Plenary that opens the Annual Meeting will focus on this theme, and will feature four leading experts in the area of climate change research.

Presenting author(s) are indicated with an asterisk ().*

For special events, please see the Special Events & Meetings Summary on p. 44-48.

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WEDNESDAY, APRIL 9 • 8:00 AM - 9:40 AM • 2100

- 2101. Historical Political Ecology 1: Water, Resources, and Territory in Past Landscapes (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group, Water Resources Specialty Group)**
Room: Room 1, TCC, First Floor (Paper Session)
 ORGANIZER(S): Martha Bell, Pennsylvania State University; Karl Zimmerer, Pennsylvania State University
 CHAIR(S): Karl Zimmerer, Pennsylvania State University
8:00 Adam Mandelman*, University of Wisconsin-Madison, *Wet/Land: The onshore petroleum industry and Louisiana's perforated wetlandscape, 1901-1951*.
8:20 K. Maria Lane*, University of New Mexico, *Envisioning an expert agency: legislating water control in territorial New Mexico*.
8:40 Cynthia Sorrensen, PhD*, Texas Tech University, *Making history more material in political ecology: a study of storm water and the politics of flooding*.
 Discussant(s): Martha Bell, Pennsylvania State University; Gail Hollander, Florida International University
- 2103. The "Pacific Pivot" and Military Colonialism in the Pacific (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Room 3, TCC, First Floor (Panel Session)
 ORGANIZER(S): Emily Mitchell-Eaton, Syracuse University
 CHAIR(S): Sasha Davis, University of Hawaii - Hilo
 Panelists: Emily Mitchell-Eaton, Syracuse University; Khury Petersen-Smith, Clark University; Kyle Kajihiro
- 2104. Interdisciplinary perspectives on the geographies of islands 1**
Room: Room 4, TCC, First Floor (Paper Session)
 ORGANIZER(S): Elaine Stratford, University of Tasmania
 CHAIR(S): Elaine Stratford, University of Tasmania
 Introducer: Elaine Stratford
8:10 Richard Deal*, Edinboro University of Pennsylvania, *A Comparison of Political Change in Dependent South Pacific Territories*.
8:30 Jessica Jaja*, University of Ottawa; Jackie Dawson, University of Ottawa, *Climate change in retrospect: A multiscale approach to understanding adaptive capacity in a Caribbean small island community*.
8:50 Annika R Dean*, Climate Change Research Centre; Donna Green, Dr, Climate Change Research Centre; Patrick Nunn, Prof., School of Behavioural, Cognitive and Social Sciences, *Compound Injustice: The Impacts of Climate Finance on an Atoll Nation*.
- 2105. Geographies of Mobility IV: Emerging Mobilities (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Tim Schwanen, University of Oxford
 CHAIR(S): Tim Schwanen, University of Oxford
8:00 Flemming Giesel*, Institute of Transport Research, German Aerospace Center (DLR), *Carsharing as a Driver of Sustainable Urban Mobility? An Analysis of User Structure and Motivation*.
8:20 Kristoffer Mattisson*, Lund University; Ellen Cromley, Lund University, *Change in Commuting Mode and Time: Factors Associated with the Shift from Active Modes to Automobiles*.
8:40 Tim Schwanen*, University of Oxford, *Understanding low-energy innovation in urban mobility*.
9:00 Justin Alex Spinney*, Cardiff University, *A critical theorisation of cycling policy and practice: mobility fixes and self-government*.
 Discussant(s): David Bissell, The Australian National University
- 2106. Resuscitating 'resilience' I**
Room: Room 6, TCC, First Floor (Paper Session)
 ORGANIZER(S): James McCarthy, Clark University; Karen Bakker, University of British Columbia
 CHAIR(S): Karen Bakker, University of British Columbia
 Introducer: James McCarthy
 Introducer: Karen Bakker
8:04 Kimberly Pfeifer*, Oxfam America, *temp*.
8:24 Marygold Walsh-Dilley, PhD*, Cornell University; Wendy Wolford, PhD, Cornell University; James McCarthy, PhD, Clark University, *A Political Ecology of Resilience? Stories from Participatory Community Evaluations*.
8:44 Tor A. Benjaminsen*, Norwegian University of Life Sciences; Hugo Reinert, PhD, Norwegian University of Life Sciences, *Struggles over Resilience and Sámi Reindeer Pastoralism in Norway*.
9:04 Kate Derickson*, University of Minnesota, *Imagining and enacting alternative socio-ecological futures: contesting postpolitical environmental governance through a politics of resourcefulness*.
 Discussant(s): Thomas Bassett, University Of Illinois
- 2107. Political economies of natural resource extraction in Latin America: Remembering and celebrating Ben Kohl 1 (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group, Indigenous Peoples Specialty Group)**
Room: Room 7, TCC, First Floor (Paper Session)
 ORGANIZER(S): Tom Perreault, Syracuse University; Anthony Bebbington, Clark University; Derrick Hindery, University of Oregon (International Studies and Geography)
 CHAIR(S): Tom Perreault, Syracuse University
8:00 Anthony Bebbington*, Clark University; Denise Humphreys Bebbington, Clark University, *Greenhouses, glasshouses and open pits: on resource extraction, development and "alternatives thinking" in Latin America*.
8:20 Sonja Killoran-McKibbin*, York University, *Bolivia's New Extractivism? Interrogating shifts in mining under the MAS government*.
8:40 Andrea Marston*, University of California-Berkeley, *Strange Bedfellows? Cooperative Mining and the Bolivian State*.
9:00 Derrick Hindery, Ph.D., Assistant Professor*, University of Oregon (International Studies and Geography), *From Enron to Evo: Pipeline Politics, Global Environmentalism, and Indigenous Rights in Bolivia*.
 Discussant(s): Tom Perreault, Syracuse University
- 2108. Managing the Quality and Quantity of Water (Sponsored by Coastal and Marine Specialty Group)**
Room: Room 8, TCC, First Floor (Paper Session)
 ORGANIZER(S): Michael Griffin, East Carolina University; Elliot Wickham, East Carolina University
 CHAIR(S): Michael Griffin, East Carolina University
8:00 Michael T Griffin*, East Carolina University; Eban Bean, East Carolina University, *Implementation of Spatial Water Quality Monitoring*.
8:20 Calvin Harmin, MA Candidate*, East Carolina University, *Mapping the Wastescape of Hog Farming in North Carolina*.
8:40 Alex A Moulton, MA Candidate*, East Carolina University; Jeff Popke, East Carolina University, *Evaluating perceptions and impacts of differential access to water resources: A review of water management strategies in St. Elizabeth, Jamaica*.
9:00 Elliot D Wickham*, East Carolina University, *Urban Water Management and Potential Future Stressors: A Case Study of Raleigh-Durham*.
9:20 Christopher M. Zarzar*, Department of Geography,

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Planning and Environment, East Carolina University, Greenville, North Carolina; Thomas Rickenbach, Department of Geography, Planning and Environment, East Carolina University, Greenville, North Carolina; Rosana Nieto-Ferreira, Department of Geography, Planning and Environment, East Carolina University, Greenville, North Carolina; Brian Nelson, NOAA/NESDIS, National Climatic Data Center, Asheville, North Carolina, *Precipitation Organization and Regional Hydrology in North Carolina*.

2109. Place as Material-Semiotic Phenomenon I (Sponsored by Cultural Geography Specialty Group, Animal Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): Benjamin Haywood, University of South Carolina

CHAIR(S): Benjamin Haywood, University of South Carolina

8:00 Anita Hagy Ferguson*, Arizona State University, *Negotiating the Wild: Culture and Collaboration in U.S.-MX Borderlands Jaguar Conservation..*

8:20 Hannah Jaicks, M.A.*, The CUNY Graduate Center, *Conflicts and coexistence: Rethinking humans' placements and connections with predators across the Greater Yellowstone Ecosystem.*

8:40 Stephanie Willis*, University of Kansas, *Alternative Methods for Sense-of-Place Research.*

9:00 Jennifer DeMoss*, University of Georgia, *Corporealized landscapes and senses of place in the Nature Connection Movement.*

9:20 Benjamin K Haywood, PhD Candidate*, University of South Carolina, *Birds and Beaches: Sense of Place Among COASSTal Citizen Science Volunteers.*

2110. The role of policy in geographies of economic development (Sponsored by Economic Geography Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Helen Lawton Smith, Birkbeck University of London; Sharmistha Bagchi-Sen, SUNY-Buffalo

CHAIR(S): Sharmistha Bagchi-Sen, SUNY-Buffalo

8:00 Ulrich Hilpert*, Friedrich-Schiller-University, *Metropolitan Locations in International High-Tech Networks: Collaboration and Exchange of Creative Labour as a Basis for Advanced Socio-Economic Development.*

8:20 Helen Lawton Smith*, Birkbeck University of London; Rupert Waters, Birkbeck, University of London, *High-tech regions and local economic development policy: the cases of Oxfordshire and Cambridgeshire.*

8:40 Heike Mayer*, University of Bern, Institute of Geography; Daniel Baumgartner, Ernst Basler & Partner, *The federal strategy for rural and mountain areas in Switzerland: Finding ways to embed endogenous territorial development into a coherent national framework.*

9:00 Danny Mackinnon*, Newcastle University; Stuart Dawley, Newcastle University; Andrew Cumbers, University of Glasgow; Andy Pike, Newcastle University, *Policy activism and regional path formation: the promotion of offshore wind in North East England and Scotland..*

9:20 Chris Benner, Ph.D.*, University of California Davis; Manuel Pastor, Ph.D., University of Southern California, *Doing Good and Doing Well: Equity, Growth and Resilient Regions.*

2111. Teaching Africa in the Twenty-First Century (Sponsored by Africa Specialty Group)

Room: Room 11, TCC, First Floor (Panel Session)

ORGANIZER(S): Richard Grant, University Of Miami

Introducer: Richard Grant

Discussant(s): William Moseley, Macalester College

Panelists: Richard Grant, University Of Miami; Sarah Smiley, Kent State University at Salem; Leo Zulu, Michigan State University; Francis Koti, University of North Alabama; Isaac Luginaah, University of Western Ontario; Henry J. Zintambilla

2112. Spatiotemporal Thinking, Computing and Applications 6: Natural Hazards (Sponsored by Cyberinfrastructure Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Keith C. Clarke, University Of California, Santa Barbara; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR(S): Weihe Wendy Guan, Harvard University

8:00 Xingyu Zhou*, Xiaoliu Yang, *Research Study on Assessing Level of Benefit and Risk of Rain-flood Utilization for the Dahuangpuwa Flood Detention Area in the Hai River Basin.*

8:20 Xiaoyan Song, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Lijuan Li*, Institute of Geographic Sciences and Natural Resources Research, CAS; Guobin Fu, CSIRO Land and Water, Private Bag 5, Wembley, Western Australia, *Spatial-temporal variations of spring drought based on spring-composite index values for the Songnen Plain, Northeast China.*

8:40 Lawrence McGlinn*, SUNY - New Paltz, *Pathways and Hazardous Exposures in 3D.*

9:00 Kathryn Reavis*, East Carolina University; Thad Wasklewicz, East Carolina University, *Assessment of Debris Flow Hazards, North Mountain, Phoenix, AZ.*

9:20 Jianxun Rui*, University of Michigan China Data Center; Fayong Zhang, University of Michigan China Data Center; Shuming Bao, University of Michigan China Data Center, *The Workflow Based Spatial Intelligence System for Disaster Impact.*

2114. Spaces and Places

Room: Room 14, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jerome E. Dobson, University of Kansas

8:00 Muharem Cerabregu, Prof. Dr.*, University of Prishtina, *Inhabitation Place Names Analysis of the Illyrian Peninsula.*

8:20 Marcin Mazur*, IGSO PAS, *Rural population in the Rural Atlas of Poland.*

8:40 Jon T Kilpinen*, Valparaiso University, *The Lake Superior Littoral: Finnish Homeland or Ethnic Substrate?.*

9:00 Jean Eichhorst*, University of Kansas, *Blurred Lines: the Co-Mingling of Human and Physical System Borders.*

9:20 Jerome E. Dobson, Professor*, University of Kansas, *Aquaterria Incognita: Lost Land Beneath the Sea.*

2115. Paleorecords VI. Quaternary Paleoclimates in North America and Asia (Sponsored by Geographies of Climate Change, Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Sally P. Horn, University Of Tennessee; Catherine Yansa, Michigan State University; Michelle Goman, Sonoma State University

CHAIR(S): Catherine Yansa, Michigan State University

8:00 Donald G Sullivan*, University Of Denver; Ian A Salyton, University of Denver, *Smuggler Meadow, Colorado: A Study in Paleoclimate Reconstruction Using Pollen, Humification, and Stratigraphy Analyses.*

8:20 Kristine L DeLong, Ph.D.*, Louisiana State University; Jennifer A Flannery, U.S. Geological Survey; Richard Z Poore, Ph.D., U.S. Geological Survey; Terrence

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M Quinn, Ph.D., Institute for Geophysics, Jackson School of Geosciences, University of Texas at Austin; Christopher R. Maupin, Institute for Geophysics, Jackson School of Geosciences, University of Texas at Austin; Ke Lin, Department of Geosciences, National Taiwan University; Chuan-Chou Shen, Ph.D., Department of Geosciences, National Taiwan University, *A reconstruction of sea surface temperature variability in the southeastern Gulf of Mexico from 1734-2008 CE using cross-dated Sr/Ca records from the coral *Siderastrea siderea*.*

8:40 Yingkui Li*, University of Tennessee; Gengnian Liu, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China; Yixin Chen, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China; Yanan Li, Department of Geography, University of Tennessee, Knoxville, TN 37996, USA; Mei Zhang, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China; Chuanchuan Li, College of Urban and Environmental Sciences, Peking University, Beijing 100871, China; Jon Harbor, Department of Earth, Atmospheric, and Planetary Sciences, Purdue University, West Lafayette, IN 47907, USA; Marc Caffee, Department of Physics, Purdue Rare Isotope Measurement Laboratory, Purdue University, West Lafayette, IN 47907, USA; Arjen Stroeven, Department of Physical Geography and Quaternary Geology, Stockholm University, Sweden, *Cosmogenic ¹⁰Be-derived glacial chronology in Chinese Tian Shan, Central Asia.*

9:00 Yanan Li*, Department of Geography, The University of Tennessee; Yingkui Li, Department of Geography, The University of Tennessee; Gengnian Liu, College of Urban and Environmental Sciences, Peking University; Mei Zhang, College of Urban and Environmental Sciences, Peking University; Marc Caffee, Department of Physics, Purdue Rare Isotope Measurement Laboratory, Purdue University, *Cosmogenic Nuclide Dating of the "Little Ice Age" Glacial Advances in the Urumqi River Headwaters, Chinese Tian Shan.*

9:20 Yixin Chen*, Peking University; Yingkui Li, University of Tennessee; Gengnian Liu, Peking University; Zhijiu Cui, Peking University, *Quaternary glacial history constrained by cosmogenic ¹⁰Be exposure dating on the northern slopes of Mt. Shishapangma, Himalayas.*

2116. Climate Change and River Systems Management (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Water Resources Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Gernot Paulus, School of Geoinformation, Carinthia University of Applied Sciences

8:00 Chien Chih Chen*, National Taiwan University; Chih-Hong Sun, National Taiwan University, *Testing Non Engineer Methods in Flood Control - A Case Study of Taichung City.*

8:20 Jan Kocum, Dr., Ph.D.*, Charles University in Prague, Faculty of Science; Bohumir Jansky, Prof., Ph.D., Charles University in Prague, Faculty of Science, *Headwaters Retention Potential Assessment with Respect to Hydrological Extremes in Central Europe.*

8:40 Rong Fan*, University of Cincinnati; Susanna Tong, University of Cincinnati, *Evaluation of different best management practices under the current and future climate and land use regimes in the Dry Creek - Ohio River Basin.*

9:00 Gernot Paulus*, Department of Geoinformation and

Environmental Technologies, Carinthia University of Applied Sciences; Michael Hofer, Department of Geoinformation and Environmental Technologies, Carinthia University of Applied Sciences; Karl-Heinrich Anders, Department of Geoinformation and Environmental Technologies, Carinthia University of Applied Sciences, *Development of a semiautomatic GIS-based Workflow for River Water Temperature Interpolation.*

2117. The Fukushima Disaster: Three Years Later 5 (Food and agriculture) (Sponsored by Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Economic Geography Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Daisaku Yamamoto, Colgate University; Noritsugu Fujimoto, Fukushima University

CHAIR(S): Takashi Oda, Miyagi Univ. of Education

8:00 Ryota Koyama*, Fukushima University; Kumpei Hayashi, Faculty of Economics and Business Administration, Fukushima University, *Impact of the Nuclear Disaster on Fukushima's Agricultural Sector: The recovery of regional agriculture.*

8:20 Takashi Norito*, Fukushima University, *Rebuilding Local and Regional Food Systems in Fukushima: Toward an Industrial Recovery of Food and Agriculture.*

8:40 Kumpei Hayashi*, Faculty of Economics and Business Administration, Fukushima University, *Japan's Consumers and Farmers Partnership after Fukushima Nuclear Accident.*

9:00 Mitsuo Yamakawa, Professor, Teikyo Univ., Ph.D.*, *Fukushima Recovery Process from the Nuclear Disaster.*

Discussant(s): David Edgington, University Of British Columbia

2118. Phenology as a Key Indicator of Climate Change Impacts (Sponsored by Geographies of Climate Change, Climate Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Mark D Schwartz, University Of Wisconsin-Milwaukee

CHAIR(S): Mark D Schwartz, University Of Wisconsin-Milwaukee

8:00 Rong Yu*, University of Wisconsin-Milwaukee; Benjamin Ruddell, Arizona State University, *Information Theory and A New Data Product Quantifying Ecosystem Sensitivity to Climate Change.*

8:20 Liang Liang*, University of Kentucky, *Explaining Geographically Variant Phenological Sensitivities to Climate Change.*

8:40 Alison Donnelly*, University of Wisconsin-Milwaukee; Rong Yu, University of Wisconsin-Milwaukee, *Potential phenological mismatch as climate warms in Ireland.*

9:00 Isaac W Park, M. S.*, UW-Milwaukee, *Impacts of differing community composition on flowering phenology throughout temperate environments.*

9:20 Mark D Schwartz*, University Of Wisconsin-Milwaukee, *Assessing Changes in the Onset of Spring at Continental Scales.*

2119. Mixed Methods and Hybrid Epistemologies in Climate Change Research I (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Jeff Popke, East Carolina University; Morey Burnham

CHAIR(S): Morey Burnham

8:00 Harriet Hawkins*, Royal Holloway, University of London; Elizabeth Straughan; Elizabeth Straughan, University

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- of Glasgow, *Artful encounters with Climate Change*.
- 8:20** Jennifer Rice*, University of Georgia; Brian Burke, University of Georgia; Nik Heynen, University of Georgia, *The Democratization of Climate Change Knowledge: Heterodox Ethico-Political Theory in Southern Appalachia*.
- 8:40** Elizabeth E Watson*, Cambridge University, *Telling Climates: Contrasting Stories of Climate Hopes and Fears*.
- 9:00** Emily Eisenhauer*, Florida International University, *Assessing the Early Impacts of Sea Level Rise in Miami Beach: A mixed-methods approach*.
- 9:20** Erin C Bergren*, University of California, Berkeley, *Adaptive capacity and narratives of resilience*.
- 2120. Symposium on Synergistic Advances of CyberGIS and Geography: 360-Degree Comparison - CyberGIS and Related (e.g., Cloud GIS, GeoWeb, Internet GIS, Mobile GIS, Online GIS, Spatial Computing, Geospatial and Spatial Cyberinfrastructure, Web GIS, etc.) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
- Room:* Room 20, TCC, First Floor (Panel Session)
- ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Dawn J. Wright, Esri; Chaowei Yang, George Mason University
- CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
- Discussant(s): Qunying Huang, George Mason University; E. Lynn Usery, U.S. Geological Survey; Ming-Hsiang Tsou, San Diego State University; Ed Parsons, Google; Krzysztof Janowicz, University of California, Santa Barbara
- 2121. Young people and city space: revisiting urban redevelopment in theory and practice**
- Room:* Room 21, TCC, First Floor (Paper Session)
- ORGANIZER(S): Luke A Dickens, Youth Music; Melissa Butcher, The Open University
- CHAIR(S): Melissa Butcher, The Open University
- 8:00** Tracey Skelton*, National University of Singapore, *Shaping the City/ Being Shaped by the City: Young People's Narratives of Urban Dwelling in Singapore*.
- 8:20** Kirsten Visser*, Utrecht University - Faculty of Geosciences; Florian Sichling, The University of Chicago - School of Social Service Administration; Robert Chaskin, The University of Chicago - School of Social Service Administration, *Context And Choice: The Everyday Social-Spatial Activities Of Youths In Two Low-Income, Multi-Ethnic Neighborhoods. A comparative study of Rotterdam (The Netherlands) and Chicago (USA)*.
- 8:40** Kari B. Jensen*, Hofstra University, *Young people's use of semi-public spaces: The importance of the rooftop space for youth's social life in Dhaka, Bangladesh*.
- 9:00** Dena Aufseeser*, University of Maryland Baltimore County, *'Gardeners of Peace' and 'My Clean Neighborhood': Challenging the idea of working youth as 'urban blight' in Lima Peru*.
- 9:20** Luke A Dickens*, The Open University; Melissa Butcher, The Open University, *Creating Hackney as Home: Youth Perspectives on Gentrification in London*.
- 2122. Money Talks I: Tracing Emergent Manifestations of Market-Environmentalist Discourses (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**
- Room:* Room 22, TCC, First Floor (Paper Session)
- ORGANIZER(S): Elizabeth Shapiro-Garza, Duke University; Daniel Suarez, University of California at Berkeley;
- Jessica Dempsey, University of Victoria
- CHAIR(S): Elizabeth Shapiro-Garza, Duke University
- 8:00** Peter Wilshusen*, Bucknell University, *Entangled Logics: Corporate Sustainability, Inverted Reform, and the Unfolding of "the Green Economy"*.
- 8:20** Jessica Dempsey, University of Victoria; Daniel Suarez*, University of California at Berkeley, *Green Finance for Conservation? Mapping Economic-Environmental Geographies of "For-Profit Conservation"*.
- 8:40** Michael Dwyer*, CIFOR, *No Regrets? Communal Land Titling and Southeast Asia's Uncertain REDD Landscape*.
- 9:00** Adam P Novick, MS*, Independent scholar, *Some Truths and Half-Truths About Ecosystem Service Markets, Conservation Banking, and Neoliberal Conservation: Insights from Theory and Evidence of Orthodoxy in Species-Based Land-Use Regulation*.
- Discussant(s): Kathleen McAfee, San Francisco State University
- 2123. Topics in Climatology**
- Room:* Room 23, TCC, First Floor (Paper Session)
- ORGANIZER(S): Program Committee
- CHAIR(S): Jason Polk, Western Kentucky University
- 8:00** Jason S Polk, Ph.D.*, Western Kentucky University; Leslie North, Western Kentucky University; Jonthan Oglesby, Western Kentucky University; Bernie Strennecky, Western Kentucky University; Gilman Ouellette, Louisiana State University; Kegan McClanahan, Western Kentucky University; Ben Miller, US Geological Survey; Taylot Hutchison, Western Kentucky University; Lowell Neeper, Western Kentucky University; Aaron Holland, Western Kentucky University; Grant Harley, University of Southern Mississippi, *Climate Change and Water Resources in the Southeastern USA and Caribbean: A Geographical Approach to Problem Solving*.
- 8:20** James Brey*, American Meteorological Society; Ira Geer, American Meteorological Society; Elizabeth Mills, American Meteorological Society; Chad Kauffman, American Meteorological Society; Kira Nugnes, American Meteorological Society, *Investigating Climate Change with AMS Climate Studies*.
- 8:40** Zhudeng WEI*, School of Geography Beijing Normal University; Xiuqi Fang, School of Geography Beijing Normal University; Yun Su, School of Geography Beijing Normal University, *Climate change as a driving factor for the cyclical fluctuation of macro-economy in dynastical China*.
- 9:00** Daniel Abrahams*, University of South Carolina, *Climate change and violent conflict: an examination of what makes climate change a unique trigger*.
- 9:20** Michael Davis*, Kutztown University of Pennsylvania, *Ocean-Atmosphere Feedback and Cloud-Radiation Feedback in Southeastern Pacific Simulated by the IPCC AR5 Coupled GCMs*.
- 2124. Urban, Human, and Environmental Geography**
- Room:* Room 24, TCC, First Floor (Illustrated Paper Session)
- ORGANIZER(S): Program Committee
- CHAIR(S): Matthew Manley, Clark University
- 8:00** Joseph Hersh*, Clark University; Deborah Martin, Professor, Clark University; Verna DeLauer, Professor, Clark University ? George Perkins Marsh Institute; John Rogan, Professor, Clark University, *The Social Amplification of Risk Framework: Application to the Asian Longhorned Beetle Infestation in Worcester, MA*.
- 8:08** Rongbo Xiao*, Guangdong Provincial Academy of Environmental Science; Jie Wu, Guangzhou Urban Planning & Design Survey Research Institute; Ting Nie, Guangzhou Urban Planning & Design Survey Research Institute, *Scenario Planning of Urban Growth*

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Boundary Based on Driving and Restrictive Forces.

- 8:16** Haoyan Liang, Guangzhou Urban Planning & Design Survey Research Institute; Xiaohui Li, Guangzhou Urban Planning & Design Survey Research Institute; Jie Wu*, Guangzhou Urban Planning & Design Survey Research Institute; Yunya Liu, Guangzhou Urban Planning & Design Survey Research Institute; Xinzha Dai, Guangzhou Urban Planning & Design Survey Research Institute, *A Zoning Method to Improve the Thermal Environment of Guangzhou City, China.*

- 8:24** Gaia Khairina*, Clark Graduate School of Geography; John Rogan, Ph. D, Clark Graduate School of Geography; Deborah Martin, Ph. D, Clark Graduate School of Geography; Verna DeLauer, Ph. D, George Perkins Marsh Institute; Matthew Manley, B. A., Clark Graduate School of Geography, *Characterizing Changes in Urban Forest Ecosystem Services Due to Invasive Insect Eradication in Worcester, Massachusetts.*

- 8:32** Viktoriya Pantyley*, Maria Curie-Skłodowska University; Jolanta Rodzios, Maria Curie-Skłodowska University; Mateusz Piskorski, firm KARTPOL S.C., *Criminality and the Perception of Living Safety in the City - a Case of Lublin (Eastern Poland).*

- 8:40** Qianqian Zhang*, Massachusetts Institute Of Technology, *Crowd-Sourcing as a Tool for Community Engagement and its Potential for Place Making.*

- 8:48** Matthew Manley*, Clark University; John Rogan, Ph.D., Clark University; Deborah Martin, Ph.D., Clark University; Yelena Ogneva-Himmelberger, Ph.D., Clark University, *Mitigating the Urban Heat Island Effect: Measuring the potential evaporative cooling benefits of replanted trees in Worcester, MA.*

- 8:56** Ayelet Harel*, SUNY Geneseo, *The International Jew: The World's Problem!: Anti-Semitism in Detroit.*

2126. FQG Rebel Landscapes I: Illicit Practices (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Ballroom A, TCC, First Floor (Paper Session)

ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University

CHAIR(S): Emma Gaalaas Mullaney, The Pennsylvania State University

- 8:00** Jeff Rose, Ph.D.*, Davidson College, *Illicit Marijuana Cultivation on Public Lands: Rebellious Landscapes of Underground Transnational Illegality.*

- 8:20** Autumn Zellers*, Temple University, *"Not indigenous people's problem": Illicit crop production and shifting landscapes in Cauca, Colombia.*

- 8:40** Vanessa Massaro*, Penn State University, *"Soldiers who hustle": Drugs and the Politics of Refusal in the City of Philadelphia.*

- 9:00** Alex Pysklywec*, Dept of Geog, UBC, *Rainbow Flags and Body Bags: Pride as Everyday Resistance to Militarized Conflict in Northern Mexico.*

Discussant(s): Jeffrey Banister, University of Arizona

2130. Hurricane I: Climatology and Meteorology

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Kam-Biu Liu, Louisiana State University; Harry Williams, University of North Texas

CHAIR(S): Jill Trepanier, Louisiana State University

- 8:00** Jay Hobgood*, Ohio State University, *Rapid Intensification of Tropical Cyclones: A Comparison of Surface and Flight Level Winds.*

- 8:20** Erik Fraza*, Florida State University; James B. Elsner, Florida State University, *A Spatial Climatology of North Atlantic Hurricane Intensity Change.*

- 8:40** Corene J. Matyas, Ph.D.*, University of Florida; Jingyin

Tang, University of Florida, *Measuring the degree of closure of tropical cyclone outer rainbands and inner core.*

- 9:00** Stephanie E Zick*, University of Florida; Corene J Matyas, University of Florida, *Moisture Budgets in US Landfalling Tropical Cyclones & Implications for Rainfall.*

- 9:20** Jill C. Trepanier, Ph.D.*, Louisiana State University; Kelsey N. Scheitlin, Ph.D., University of Tennessee, *Hurricane Wind Risk in Louisiana.*

2131. Operationalizing the geo-energy space 1: Socio-technical assemblages (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Stefan Bouzarovski, University of Manchester; Nazmiye Balta-Ozkan, Policy Studies Institute - University of Westminster

CHAIR(S): Martin J. Pasqualetti, Arizona State University

- 8:00** Nazmiye Balta-Ozkan*, University of Westminster; Julie Le Gallo, Université de Franche-Comté, *Does urban vs non-urban matter? Analysis of energy attitudes, perceptions and behaviours in Europe.*

- 8:20** Nazmiye Balta-Ozkan, Policy Studies Institute at the University of Westminster; Tom Watson*, Policy Studies Institute; Peter M Connor, University of Exeter; Colin J Axon, Brunel University, *The UK's transition to a smarter energy system: Contextualising spatial differences and their implications.*

- 8:40** Sergio Tirado-Herrero*, The University of Manchester, *Energy Prices, Poverty and Social Exclusion: An Exploration of Energy Vulnerability Factors in the EU.*

- 9:00** Axel J Schaffer*, Universitaet der Bundeswehr, *Regional geo energy space - spatiotemporal diffusion of photovoltaics in Germany.*

- 9:20** Marcello Graziano*, University of Connecticut; Kenneth Gillingham, PhD, Yale University; Carol Atkinson-Palombo, PhD, University of Connecticut, *Adoption of Diffused Renewable Energy Technologies: Patterns and Drivers of Residential PV Systems in Connecticut, 2004-2013..*

2132. Urban public space & the sustainable city (Sponsored by Recreation, Tourism, and Sport Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Dorothy Ibes, College of William & Mary; Meredith Whitten

CHAIR(S): Dorothy Ibes, College of William & Mary

- 8:00** Dorothy Ibes*, College of William & Mary, *Multi-dimensional Assessment & Classification of Urban Parks for the Sustainable City.*

- 8:20** Meredith Whitten*, London School of Economics, *The Changing Nature of Urban Green Space in London.*

- 8:40** Dimitri Ioannides*, Missouri State University; Evangelia Petridou, Mid-Sweden University; Panos Leventis, Drury University, *Cities under Stress: Creative Resilience through Street Art and Alternative Tourism in Athens.*

- 9:00** Jamie L. Sanchagrin*, University of Iowa; Heather A. Sander, PhD, University of Iowa, *Planning for sustainable, resilient cities: Identifying the benefits of urban greenspace and vegetation using a homeowner survey.*

- 9:20** Kyle Barnhart, Student*, Grand Valley State University; Patricia Houser, Assistant Professor of Planning, Grand Valley State University, *Parks Equity and Green Access in Three Midwestern Cities.*

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- 2133. Topics in Animal Geography, Biogeography, Ecology, and Physical Geography**
Room: Room 33, TCC, Fourth Floor (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Sanjay G. Patil, Modern College, Ganeshkhind, Pune, India
- 8:00** Kristen Conway-Gomez, Ph.D.*, California State Polytechnic University, Pomona; Tracy Van Holt, Ph.D., Eastern Carolina University, *Perceptions of Wildlife Abundance in a Remote, Market- Integrated Amazon Community.*
- 8:05** Meghan Sheehan*, Miami University, *Roles of Behavior and Cognition in Movement Ecology.*
- 8:10** Joel van de Sande*, City College of San Francisco, *Riding Hood's Revenge: How U.S. Law Manages the Threat and Endangerment of Mexican Wolves.*
- 8:15** Kalli Fullerton Doubleday*, University of Texas at Austin, *Land-Change in India's Tiger Landscapes: A Discourse Analysis of Case Studies in and around Twelve of India's Protected Areas.*
- 8:20** Megan L Buchanan*, University of Minnesota, *Forest development and stand dynamics in the Wisconsin Driftless Area: Implications for oak regeneration and management.*
- 8:25** Regan Fink*, Kenyon College; Deborah Martin, Clark University; Verna DeLauer, Clark University- George Perkins Marsh Institute; John Rogan, Clark University, *Ecological Crisis brings Restoration: The Asian Long-horned Beetle's Effects on Environmental Stewardship in Worcester, Massachusetts.*
- 8:30** Taly D Drezner, PhD*, York University, *Local Influences on a Keystone Desert Species.*
- 8:35** Sachin J. Deore*, S.N.D.T. Women's University, Department of Geography (PGSR), Karve Road, Pune - 411 038., *Modeling Soil Erosion for Kukadi river basin in Maharashtra, India.*
- 8:40** Feng Pan, University of Wisconsin-Milwaukee; Woonsup Choi, Ph.D.*, University of Wisconsin-Milwaukee, *Influence of Different Methods for Estimating Impervious Surface Cover on Model-simulated Streamflow of the Milwaukee River Basin.*
- 8:45** Hillary Smith*, University of North Carolina Chapel Hill, *Towards an Understanding of Facilitating Conditions for Forest Transitions in Critical Landscapes.*
- 8:50** Carmen Janete Rekovsky*, UNESP; Aline Weber Sulzbacher, UNESP, *The Geography of hunger and public policies in Brazil.*
- 8:55** Joyce O Omenai, M A geography*, University of Lagos; Emmanuel E Ege, PhD Geography, University of Lagos; Emily O Ojukwu, MSc Geography, University of Lagos, *The Health and Well being of Women in Foodstuff Transportation and Distribution in Lagos Nigeria.*
- 9:00** Aaron M. Shew, PhD Student*, University of Arkansas, *Spatial Analysis of Food Security in India: A Longitudinal & Cartographic Study, 1980-2010.*
- 9:05** Ryan Z. Good*, University of Florida, *On the Rocks: The Geographies of Food Security and Environmental Justice in Mwanza, Tanzania.*
- 9:10** Sanjay G. Patil*, Modern College, Department of Geography, Ganeshkhind, Pune, India, *Planning of Irrigation for Sustainable Agriculture in Pune District, India.*

- 2134. Water Resources and Water Quality**
Room: Room 34, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Robert Sirk, Austin Peay State University
- 8:00** Yang Song*, *Spectral Absorption Features of Particulate Matter and Colored Dissolved Organic Matter in Olympic Lake: An Artificial Lake in Beijing Olympic*

Forest Park.

- 8:20** Maryam Khodakarami Younessi*, Ohlone College, *Sedimentation and Flood Risk of Khansar Dam Reservoir.*
- 8:40** Robert Sirk*, Austin Peay State University; Jeddiah Sirk, Geosyntec Consultants, *Economic and Cultural Impacts of Increasing Ocean Acidity: A Case Study Utilizing the Caribbean Lobatus gigas..*
- 9:00** Deborah Ayodele*, Arizona State University; Kelli Larson, PhD, Arizona State University, *Water use and supply trends within the Sunbelt: A comparative analysis of Arizona and North Carolina.*

- 2135. Biogeographic and Ecological Perspectives on the American South (Sponsored by Study of the American South Specialty Group, The American South)**
Room: Room 35, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): The American South
 CHAIR(S): Christopher T Kaase, University of South Carolina
- 8:00** Garrett Hyzer*, University of South Florida; Patrick Vander Kelen, Ph.D, Washington State Department of Health; Joni Downs, Ph.D, University of South Florida; Thomas R Unnasch, Ph.D, University of South Florida, *Applying an Eastern Equine Encephalitis Virus Transmission Risk Index Model to State Parks in Florida.*
- 8:20** Tommy W. Patterson*, UNC-Greensboro; Lindsay W Cummings, UNC Greensboro; Paul A. Knapp, UNC Greensboro, *Geographic variability in growth responses and morphological characteristics of longleaf pine (Pinus palustris Mill.) in North Carolina, USA.*
- 8:40** Amanda Kubes*, Florida State University, *Utilizing Ensemble Species Distribution Modeling to examine the Influence of Anthropogenic Variables on the Potential Distributions of Three Florida Invasive Species across Changing Spatial Extents.*
- 9:00** Christopher T Kaase*, University of South Carolina; John A Kupfer, University of South Carolina, *Influences on Sedimentation Patterns in a Southeastern Floodplain Forest, Congaree National Park, South Carolina.*
- 9:20** Rene D. Baumstark, MS*, Florida Fish and Wildlife Conservation Commission, *A Spatial and Thematic Unification Framework for Florida Coral Reef Tract Benthic Maps.*

- 2136. Error/Accuracy Assessment Challenges for Individual and Fused Data Sources -- A (Sponsored by Geographic Information Science and Systems Specialty Group, Military Geography Specialty Group, Remote Sensing Specialty Group)**
Room: Room 36, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Bandana Kar, University of Southern Mississippi
 CHAIR(S): Bandana Kar, University of Southern Mississippi
- 8:00** Emily Schnebele*, George Mason University; Guido Cervone, The Pennsylvania State University; Nigel Waters, George Mason University, *Fusion of social media and remote sensing data for creating value added products of flood damage and transportation assessments.*
- 8:20** Georgia De Stoppelaire, M.A., GISP*, Florida Atlantic University, *Comparative Analysis of Fused Optical Imagery and Laser Remote Sensing Data for Vegetation Mapping.*
- 8:40** Dapeng Li*, Department of Geography, University of Utah; Thomas J. Cova, Department of Geography, University of Utah; Philip E. Dennison, Department of Geography, University of Utah, *A framework for improving the use of online reverse geocoding services.*

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- 9:00** Michael Schwind*, TAMU Geoservices, *Analyzing Volunteer Geographic Information Accuracy and Determining its Capabilities for Scientific Research Data.*
- 9:20** Richard C. Daniels, GISP*, Washington State Department of Transportation; Karina I. Murphy, CSP, ESH&Q, *Science to the Masses: Shoreline Monitoring in Ocean Shores, Washington Using GPS Enabled Smartphones.*
- 2137. Geographies of Alternative Spiritualities (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
Room: Room 37, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Nadia Bartolini, The Open University; Steve Pile, The Open University
 CHAIR(S): Nadia Bartolini, The Open University
8:00 Mats Nilsson*, 202100-3120; Mekonnen Tesfahuney, University of Karlstad, *Post-secular Journeys. Spiritual Places and Transformations of Self/Identity.*
8:20 John Paul Jones*, University of Arizona, *The Magical Mystery Lights of Marfa.*
8:40 Brad Huff, Ph.D.*, Columbus State University, *A Spatial Structure of Spiritualism.*
9:00 Steve Pile*, The Open University, *The Place of Spirit: secularization and the geographies of spirituality.*
 Discussant(s): Deborah P Dixon, University of Glasgow
- 2139. Exploring the Intersections of GIS, Structural Violence and Social Justice Activism (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Racism and Violence)**
Room: Room 39, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Robert Sauters, Eastern Washington University; Anna Dvorak
 CHAIR(S): Anna Dvorak
8:00 Jason M Post*, Texas Tech University, *Spatial Environmental Inequality in Lubbock, Texas.*
8:15 Donald Hutchinson*, Eastern Washington University, *Racial and Income Inequality in the Ancestral Lands of the South: A Case Study of the Gullah Geechee People of Sapelo Island, Georgia.*
8:30 Anna Dvorak, PhD*, Eastern Washington University, *Pacoima Beautiful: Using GIS and Public Policy as a form of Social Justice Activism to Combat Environmental Injustice.*
8:45 Liyao Huang*, Clark University, *Environmental Injustice in the Spatial Distribution of Hydro-Fracking Wells in Four States of the U.S..*
9:00 Clinton Davis*, Temple University, *A Critical Realist Framework for Counter-Hegemonic Spatial Analysis.*
9:15 Robert R. Sauters, Ph.D.*, Eastern Washington University, *The Landscapes of Structural Violence & Social Justice in the Israeli-Palestinian Conflict: A GIS Analysis.*
- 2140. Historical Geographies of Prisons and Jails I**
Room: Room 30B, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Dominique Moran, University of Birmingham; Karen M. Morin, Bucknell University
 CHAIR(S): Karen M. Morin, Bucknell University
8:00 Kimberley Peters*, Aberystwyth University; Jennifer Turner, Aberystwyth University, *Unlocking the Carceral Atmospheric: Extraordinary Encounters at the Prison Museum.*
8:20 Susana Draper*, Princeton University, *Cartographies of memory and the poetics of an architecture of the affects.*
8:40 Katie Hemsworth*, Queen's University, *Sound(e)scapes: Historical geographies of sound in Canadian prisons.*
9:00 Cheryl Nye*, Georgia State University, *The Sacred and Profane: Re-building Familial and Social Relationships in the Confines of the Prison.*
 Discussant(s): Dominique Moran, University of Birmingham
- 2152. Climate change: Planning, Policy and Practice I: Role of the People (Sponsored by Human Dimensions of Global Change Specialty Group, GIScience, GIS, and Public Policy, Geographies of Climate Change)**
Room: Grand Salon A, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Shangrila Joshi (Wynn), Colgate University
8:00 Sebastien Dujardin*, University of Namur, *Framing climate change adaptation and participatory planning: Why geography matters?.*
8:20 Laura Brewington*, East-West Center, *Participatory scenario planning for climate change adaptation: the Maui Water Project.*
8:40 Jia Lu, Ph.D*, Valdosta State University, *Developing A Climate Change Action Plan - A Case Study in Southern Georgia.*
9:00 Erin K O'Brien, Graduate Student*, University of Michigan, School of Natural Resources and Environment; Cara Steger, Graduate Student, University of Michigan, School of Natural Resources and Environment; Joshua Cousins, Graduate Student, University of Michigan, School of Natural Resources and Environment; Katherine O'Gara, Graduate Student, University of Michigan, School of Natural Resources and Environment; Brian Schapp, Graduate Student, University of Michigan, School of Natural Resources and Environment; Megan Cornwall, Graduate Student, University of Michigan, School of Natural Resources and Environment; Jessica Worl, Graduate Student, University of Michigan, School of Natural Resources and Environment; Bilal Butt, Assistant Professor, University of Michigan, School of Natural Resources and Environment, *Political Ecology and Pedagogy: Using political ecology to engage with policy makers.*
 Discussant(s): Shangrila Joshi (Wynn), Colgate University
- 2154. Visioning GIScience Education (Sponsored by Geographic Information Science and Systems Specialty Group)**
Room: Grand Salon C, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Matthew W. Wilson, University of Kentucky
 CHAIR(S): Matthew Zook, University of Kentucky
 Discussant(s): Michael F. Goodchild, University of California - Santa Barbara
 Panelists: Sarah Elwood, University of Washington; Anthony Robinson, Pennsylvania State University; Nadine Schuurman, Simon Fraser University; Robert Roth, UW-Madison; David O'Sullivan, University of California, Berkeley; Luke Bergmann, University of Washington
- 2155. Biopolitics, Religion, Security (Sponsored by Political Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group)**
Room: Grand Salon D, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Meagan Todd, University of Colorado
 CHAIR(S): Meagan Todd, University of Colorado
8:00 Christine E Gibb*, Université de Montréal, *Post-disaster Reconstruction of a Society by Religious and State Actors: The Case of Typhoon Sendong in Northern Mindanao, Philippines.*
8:20 Neil Conner*, University of Tennessee, *Defending Victory: Religious Identity and Territoriality in Dublin, Ireland.*
8:40 Thomas J Christoffel*, Regional Intelligence-Regional Communities, LLC, *"Think Local Planet, Act Regionally." A Candidate Paradigm Reflective of a Greater Community Spirituality Networking Historic World Religions.*
9:00 Meagan Todd*, University of Colorado, *Biopolitics and Mosque Construction in Moscow, Russia.*
 Discussant(s): Patricia Ehrkamp, University of Kentucky

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2156. Transportaion Geography

Room: Grand Salon E, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Changjoo Kim, University of Cincinnati

8:00 Tao LIN*, Department of Geography, Hong Kong Baptist University; Donggen WANG, Department of Geography, Hong Kong Baptist University, *Activity Location Choices and Travel: Do Neighborhood Social Environments and Personal Social Networks Matter?*.

8:20 Juan A Carrasco*, Universidad de Concepcion; Carolina Rojas, Universidad de Concepcion; Claudia Garcia, Universidad de Concepcion; Gerson Araneda, Universidad de Concepcion, *A mobility perspective on urban segregation and social exclusion: Evidence from personal networks from four Chilean neighbourhoods*.

8:40 Lai Pei Chun*, *Measuring attractiveness of roads : Take Taipei city as an example*.

9:00 Anniki Puura*, University of Tartu; Rein Ahas, University of Tartu; Siiri Silm, University of Tartu, *The Effect of Social Networks on People's Spatial Mobility*.

9:20 Changjoo Kim*, University of Cincinnati; Shujie Wang, University of Cincinnati; Olivier Parent, University of Cincinnati; Sunhee Sang, University of Cincinnati, *The Neighborhood Context of Individual Travel Behaviors*.

2158. Narrating the Nation through Urban Space I (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Grand Salon G, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Joshua Hagen, Marshall University; Alexander C. Diener, University of Kansas

CHAIR(S): Alexander C. Diener, University of Kansas

8:00 Joshua Hagen*, Marshall University, *Narrating the Nation through Urban Space: Prominent Themes and Possible Avenues for Future Research*.

8:20 Kyle T. Evered*, Michigan State University, *Beyond structures and statues in early republican Turkey: Ankara's forest farm as a narrative of?and lesson for?a modern nation*.

8:40 Brian J Godfrey, PhD*, Vassar College, *Remembering Rio: Historic Place-making, Memory Brokers, and Brazilian Nationalism*.

9:00 Sarah Moser, PhD*, McGill University, *Malay(sian) National Identity in Contemporary Urban Mega-Projects*.

9:20 Craig S Revels*, Central Washington University, *Finding Managua: Landscape Change and the Search for Meaning in Post-Earthquake Nicaragua*.

2159. STOP criminalizing the Migrant-other ... PROMOTE radical autonomy resisting borders and b/ordering mechanisms- I (Sponsored by Geographic Perspectives on Women Specialty Group, Population Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University; Pierpaolo Mudu, University of Washington - Tacoma

CHAIR(S): Salvatore Engel-DiMauro, SUNY New Paltz

Discussant(s): Pierpaolo Mudu, University of Washington - Tacoma; James Tyner, Kent State University; Jeremy Tasch, Towson University

Panelists: Sutapa Chattopadhyay, UNU-Merit & Maastricht University; Leif Johnson; Serin Houston, Mount Holyoke College

2160. Hazards, Risks, and Disasters S.G. Session: Disaster Management, Planning and Perceptions 1 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Grand Salon I, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Philip L. Chaney, Auburn University

CHAIR(S): Bjoern Hagen, Arizona State University

8:00 Ashok Das*, University of Hawaii at Manoa, *Learning from the flow: toward smaller steps for larger impacts*.

8:20 Charles Preppernau*, Oregon State University; Bernhard Jenny, Oregon State University, *Evaluating the design of 3D volcano evacuation maps*.

8:40 Ingrid M. Butler, MA*, Syracuse University, *Using "Spatial Imaginaries" as an Analytical Framework to Study Post-Disaster Cities*.

9:00 Virginia Silvis*, University of Oklahoma, *Are Neoliberal Policies Amplifying Risk in Southeastern Louisiana?*.

9:20 Bjoern Hagen, PhD*, School of Geographical Sciences & Urban Planning, Arizona State University; Ariane Middel, PhD, Center for Integrated Solutions to Climate Challenges, Arizona State University; David Pijawka, PhD, School of Geographical Sciences & Urban Planning, Arizona State University, *The Impact of Climate Related Hydro-meteorological Disasters on Public Perceptions of Climate Change in the United States*.

2161. John Odland Award (SAM Student Paper Contest) I (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Grand Salon J, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Joni Downs, University of South Florida

CHAIR(S): Joni Downs, University of South Florida

8:00 Ying Song*, The Ohio State University; Harvey J. Miller, The Ohio State University; Xuesong Zhou, Arizona State University, *Simulating Visit Probabilities within Network-Time Prisms using Markov Chains and Truncated Brownian Bridges*.

8:20 Paul Holloway*, UT at Austin, *Sensitivity analysis of step selection function model parameters*.

8:40 Xi Mei*, George Mason University; Nigel Waters, George Mason University, *Approximating the Length of the Vehicle Routing Problem from a Geographic Perspective*.

Discussant(s): Renee Culver, Missouri State University

2166. Joint AAG Journals Editorial Board Meeting

Room: Florida Salon V, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign

Discussant(s): Richard Wright, Dartmouth College; Bruce Braun, University of Minnesota - Minneapolis; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Mark Fonstad, University of Oregon; Barney Warf, University of Kansas; Kent Mathewson, Louisiana State University; Derek H. Alderman, University of Tennessee

2167. AAG Department Chairs' Symposium I: Innovations in Master's Programs (Sponsored by Geography Faculty Development Alliance (GFDA), Enhancing Departments and Graduate Education project (EDGE))

Room: Florida Salon VI, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Kenneth E. Foote, University of Connecticut

CHAIR(S): Kenneth E. Foote, University of Connecticut

The theme of the symposium will be Innovations in Master's Programs: Changes, Challenges, and Strategies. Master's education is one of the fastest growing and most innovative areas of geography in higher education. In addition to new programs being established, geographers are experimenting with a wide range of certificate programs, Master's in GIScience curricula, and other efforts intended to help prepare students for a wide range of careers. The workshop will provide a forum to focus on these changes, especially the issues of curriculum content, interdisciplinary hybridity, delivery methods, faculty staffing and support, relationships to employers and employment

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opportunities, funding and tuition models, and longevity. The workshop will address issues related to stand-alone master's programs and master's/doctoral programs. Participants will have ample time to share their experiences in creating and growing their programs.

2168. Landscapes of consumption during economic crisis: recent UK research on the high street (Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Dionysia Lambiri, University of Southampton; Neil Wrigley, University of Southampton

CHAIR(S): Tony Hernandez, Ryerson University

Introducer: Neil Wrigley

8:05 Neil Wrigley*, University of Southampton; Michelle Lowe*, University of Southampton, *Britain's 'High Street Crisis' - What it has revealed & how policy has responded.*

8:25 Cathy Hart*, Loughborough University; Lara Stocchi, Loughborough University; Mohammed Rafiq, Loughborough University; Angus Laing, Loughborough University, *The Town Centre Customer Experience: The Role of Functional, Experiential "Touch Points" and Digital Technology.*

8:45 Steve Wood*, University of Surrey, *UK Retail Planning Policy and the High Street - Reflecting on Nearly Two Decades of "Town Centres First" Development Control.*

9:05 Dionysia Lambiri*, University of Southampton; Neil Wrigley, University of Southampton, *Corporate foodstores and high street vitality.*

2169. Natural Resources and Infrastructure Development in Inner Asia (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Asian Geography Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Sara Jackson, York University

CHAIR(S): Emily T Yeh, University of Colorado

Introducer: Sara Jackson

Panelists: Brandon Miliate; Galen Murton, University of Colorado, Boulder; Raven Anderson, Harvard University; Orhon Myadar, University of Arizona, School of Geography and Development; Lauren Herwehe, University of Arizona; Max D. Woodworth; Chuan Liao, Cornell University; Isabel Cane

2170. Water resources and eco-hydrological processes in arid zones

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Yaning Chen, Chinese Academy of Sciences; Francis Magilligan, Dartmouth College

CHAIR(S): Yaning Chen, Chinese Academy of Sciences

Introducer: Yaning Chen

8:04 Jonathan Chipman*, Dartmouth College; Xun Shi, Dartmouth College; Frank Magilligan, Dartmouth College; Yaning Chen, Xinjiang Institute for Ecology and Geography; Christopher Sneddon, Dartmouth College; Daniel Lawson, Dartmouth College, *Multisensor Spaceborne Monitoring of Landscape Change in the Tarim River Watershed, Xinjiang, China.*

8:24 Changchun Xu*, Key Laboratory of Oasis Ecology, College of Resource and Environmental Sciences, Xinjiang University; Yaning Chen, Key Laboratory of Oasis and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Yapeng Chen, Key Laboratory of Oasis and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Responses of surface runoff to climate change and human activities in the arid region of Central Asia: a case study in the Tarim River basin, China.*

8:39 Xiang Huang*, Xinjiang Institute of Ecology and

Geography of The Chinese Academy of Sciences, *Drought stress effect on the temperature sensitivity of soil respiration of Populus euphratica Community at Lower Reaches of Tarim River, Xinjiang, China.*

8:54 Zhaoxia Ye*, 1.State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; 2.Department of Geography, University of Cincinnati, Cincinnati, USA; Hongxing Liu, Department of Geography, University of Cincinnati, Cincinnati, USA; Yaning Chen, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Song Shu, Department of Geography, University of Cincinnati, Cincinnati, USA; Qiusheng Wu, Department of Geography, University of Cincinnati, Cincinnati, USA, *Analysis of water level variation of lakes and reservoirs in Xinjiang using ICESat laser altimetry observations.*

9:09 Yaning Chen*, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Zhi Li, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Zhaoxia Ye, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Climate change and its impacts on water resources in the arid region of Northwest China.*

Discussant(s): Francis Magilligan, Dartmouth College; Weihong Li, Chinese Academy of Sciences; Jiangui Li; Xiaojun Yang, Florida State University; Hongxing Liu, University of Cincinnati; Xun Shi, Dartmouth College; Guili Sun; Yongjin Chen; Yang Yu Hai, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Aihong Fu; Honghua Zhou, CAS

2171. Geographical Perspectives on Social Development in China (Sponsored by China Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Chunfeng Liu, IGSNRR; Chenghu Zhou, Institute of Geographic Sciences and Natural Resources Research, CAS; Jie Fan

CHAIR(S): Tim Oakes, University of Colorado

Introducer: Cindy Fan

8:05 Jie Fan*, *Obstacles and prospect for China implementing the strategy of Major function-oriented zone.*

8:20 Mark W Rosenberg*, Queen's University; Wuyi Wang, Ph.D., Chinese Academy of Sciences - Institute of Geographic Sciences and Natural Resources Research; Linsheng Yang, Ph.D., Chinese Academy of Sciences - Institute of Geographic Sciences and Natural Resources Research; Yang Cheng, Ph.D., Beijing Normal University; Jie Yu, M.A., Queen's University, *Doing Research in Health Geography in China: Some Cross-cultural Reflections.*

8:35 Xiaolu Gao*, Key Laboratory of Regional Sustainable Development Modeling, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Bingqiu Yan, Key Laboratory of Regional Sustainable Development Modeling, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Modeling Elderly Care Needs in an Ageing Urban Society in China.*

8:50 Honggang Xu, Sun Yat-sen University; Qingming Cui*, Sun Yat-sen University, *Attaining harmony: toward a new cultured nature landscape.*

9:05 Daniel Sui*, The Ohio State University, *Open source urbanism in China: Problems and prospects.*

Discussant(s): Rudi Hartmann, University of Colorado; Gregory Veeck, Western Michigan University

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2172. China's Changing Urban Governance (Sponsored by China Specialty Group)

- Room:** Meeting Room 5, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Guo Chen, Michigan State University
 CHAIR(S): Guo Chen, Michigan State University
8:00 Michael Waibel*, University of Hamburg, *The urban governance of creative spaces in China: A comparative perspective.*
8:20 Yuqi Liu*, Bartlett School of Planning, University College London, United Kingdom, WC1H 0QB; Fulong Wu, Bartlett School of Planning, University College London, United Kingdom, WC1H 0QB; Ye Liu, Department of Geography, University of Lethbridge, AB, Canada, T1K 3M4; Zhigang Li, Department of Urban and Regional Planning, School of Geography and Planning, Sun Yat-sen University, Guangzhou, China, 510275, *Community Attachment, Social Capital and Community Participation after the Redevelopment of Urban Villages: A Case Study of Guangzhou, China.*
8:40 Philipp Zielke*, University of Hamburg, *Urban Governance in China: How to adapt Western analytical approaches?*
9:00 Qianqi Shen*, Rutgers University, Bloustein School of Planning and Public Policy, *From National Industrial Development Policy to Local Land Financing Instrument: the Case of Development Zone Policy Implementation in China.*
9:20 Dongyan Tao*, Peking University; Xin Tong, Peking University; Carlo Ferri, Oxford University, *Grey for Green: the Changing Space of Waste Villages in Urban China.*

2173. Sustainable Waste Management Systems I (Sponsored by Scale and Sustainability)

- Room:** Meeting Room 6, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Yvonne Rollins, The University of Western Ontario; Cassandra Kuyvenhoven
 CHAIR(S): Cassandra Kuyvenhoven
8:00 Bo Wang*, University of Wisconsin, *Pollution at the third pole: garbage, tourism, and sacred mountains in Tibetan alpine villages of Southwest China.*
8:20 Andrew Brooks*, King's College London, *Mapping, Understanding and Capturing Value in Global Flows of Electronic Waste.*
8:40 Yvonne Rollins, BSc(Hons), MA, MES*, The University of Western Ontario, *Investigating Energy Recovery within Municipal Solid Waste Regimes in Ontario, Canada.*
 Discussant(s): Kate Parizeau, University of Guelph

2174. Foreign-Direct Investments, Multinational Firms and Cluster Networks in the Global Knowledge Economy I

- Room:** Meeting Room 7, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Harald Bathelt, University of Toronto; Peng-Fei Li
 CHAIR(S): Sebastian Henn, Leibniz-Institute for Regional Geography
8:00 Peter Maskell*, CBS, *Accessing remote knowledge: What lies beyond absorptive capacity thinking?*
8:20 Sam Ock Park, Professor*, Seoul National Univ; Yangmi Koo, Assistant Professor, Seoul National University, *Evolution and Pattern of Global Knowledge and Innovation Networks of Samsung Electronics.*
8:40 Ram Mudambi*, Temple University, *Global connectivity as the basis for local innovation: A knowledge maps approach.*
9:00 Andrew Wood*, University of Kentucky; Nicholas Phelps, University College London, *Worldly wise? Site selection consultants and the mobilization of place knowledge in the global economy.*
9:20 Cassandra C. Wang*, Department of Earth Sciences, Zhejiang University, *Foreign Direct Investment*

Spillover Effects in China: Evidence from the Electronics Firms.

2177. Social Impacts of International Migration on Families Left Behind (Sponsored by Cultural Geography Specialty Group, Ethnic Geography Specialty Group)

- Room:** Meeting Room 8, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Richard Jones, University Of Texas at San Antonio
 CHAIR(S): Richard Jones, University Of Texas at San Antonio
8:00 Russell L King, Professor*, University of Sussex; Julie Vullnetari, Dr, University of Sussex, *'Like Stones in the Middle of the Road': The Impact of Migration on the Lives of Older Persons in Rural Albania.*
8:20 Aree Jampaklay*, institute for population and social research mahidol university, *Parental Migration Experiences, Carer's, and Children's Well-being in the Context of Thailand.*
8:40 Richard Jones*, University Of Texas at San Antonio, *Migration Pessimism and the Subjective Well-being of Migrant Households in Mexico.*
 Discussant(s): Holly Worthen, University of North Carolina at Chapel Hill

2178. The Natural and Human Structuring of Rivers and other Geomorphic Systems I: A Special Session In Honor of Will Graf (Sponsored by Geomorphology Specialty Group)

- Room:** Meeting Room 9, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Bruce Rhoads, University Of Illinois; Mark Fonstad, University of Oregon
 CHAIR(S): Richard A. Marston, Kansas State University
8:00 Kimberly M. Meitzen, PhD*, Texas State University, *Stream Flow Changes across North Carolina from 1955-2012 with Implications for Environmental Flow Management.*
8:20 Chris Van Dyke*, University of Kentucky, *How Long Has the River Been Gone? A State-and-Transition Approach to Channel Evolution on the Restored Clark Fork River, Montana.*
8:40 Laura Stroup*, St. Michael's College, *Dam Yankees: The Evolving Role of Hydropower in New England.*
9:00 Devin M Lea*, University of Wyoming, *Combining a locational probability map and morphology-based sediment budget to examine the influence of geomorphic context and disturbance history on channel morphodynamics.*

2179. (Micro)Economies of Immigration Detention: Critical Geographical Perspective

- Room:** Meeting Room 10, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Deirdre Conlon, Saint Peter's University
 CHAIR(S): Jill Williams, University of Hawai'i-Manoa
8:00 Malene H Jacobsen*, University of Kentucky, *Pocket Money: Discipline and Control through the Cash Allowance System.*
8:20 Julia Morris*, University of Oxford, *'Economies of Control': The Politics of Engagement in UK Immigration Detention.*
8:40 Mario Bruzzone*, University of Wisconsin-Madison, *Theorizing the economics of transit migration: Central American migrant delay and detention en route to the United States.*
9:00 Deirdre Conlon, Ph.D.*, University of Leeds; Nancy Hiemstra, Ph.D., Stony Brook University, *Contracting out the carceral: privatization and politics in the (micro)economies of migrant detention.*
 Discussant(s): Jennifer Turner, Aberystwyth University

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- 2180. Practicing Diversity in the Classroom and Beyond (Sponsored by Geography Education Specialty Group, Community College Affinity Group, Ethnic Geography Specialty Group)**

Room: Meeting Room 11, Marriott, Third Floor (Panel Session)
ORGANIZER(S): Ronald L. Schumann, University of South Carolina; Elizabeth Shockey, University of North Carolina at Charlotte
Panelists: Eddie Modlin, James Peters, University of Massachusetts, Amherst; Laura Cano Amaya, Texas State University; Jae Soen Son, UNC-Charlotte; Tom Narins, University of California Los Angeles (UCLA)

- 2181. Showing off our (GeoViz) goods! Tools and strategies for promoting experts, education, and leveraging non-specialists using geographic visualizations on the web. (Sponsored by Geographic Information Science and Systems Specialty Group, Historical Geography Specialty Group, Cartography Specialty Group)**

Room: Meeting Room 12, Marriott, Third Floor (Panel Session)
ORGANIZER(S): Matthew Mulbrandon, Universiteit Utrecht
CHAIR(S): Matthew Mulbrandon, Universiteit Utrecht
Panelists: Benjamin D. Hennig, University of Oxford; Catherine Mulbrandon; Kenneth Field, Esri; Jonathan Marino

- 2182. Geographies of Health, Wellbeing & the Social Economy: Practices, Tensions & Prospects I (Sponsored by Health and Medical Geography Specialty Group, Disability Specialty Group, Economic Geography Specialty Group)**

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Robert Wilton, McMaster University; Joshua Evans, Athabasca University
CHAIR(S): Robert Wilton, McMaster University
8:00 Monica J. Perski, B.A.*, McMaster University, *Maintaining a Healthy Balance? Social Mission and Financial Sustainability in a Social Enterprise for People with Mental Illness.*
8:20 Noemie Rapegn*, Ecole des Hautes Etudes en Sciences Sociales, *Geographies of residential care facilities in the social economy: for better or worse?.*
8:40 Sarah Wakefield*, University Of Toronto, *Food-based Social Enterprise at the Intersection of Sustainability and Hunger.*
9:00 Joshua Evans*, Athabasca University; Robert Wilton, McMaster University, *The business of recovery: An exploration of social enterprise and its role in community-based care.*
Discussant(s): David Conradson, University of Canterbury

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- 2201. Historical Political Ecology 2: Histories of Conservation, Environmentalism and Health and Wellbeing, with Implications for the Present (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Historical Geography Specialty Group)**

Room: Room 1, TCC, First Floor (Paper Session)
ORGANIZER(S): Martha Bell, Pennsylvania State University; Karl Zimmerer, Pennsylvania State University
CHAIR(S): Martha Bell, Pennsylvania State University
10:00 Eric Carter*, Macalester College, *Latin American Social Medicine and Ecological Perspectives on Health.*
10:20 Mireya Bravo*, Clark University, *Scaling-Up Grassroots Conservation and Institutional Arrangements: Trajectories of Resource Governance in the Oxapampa-Ashaninka-Yanesha Biosphere Reserve.*
10:40 Kolson Schlosser*, Temple University, *Developing a Situated Historical Perspective in Political Ecology: The Case of Gold Mining in the Yukon Territory, Canada.*
11:00 Gregory Simon*, University of Colorado Denver, *A Spatial History of Vulnerability-in-Production.*
Discussant(s): Dawn Biehler, University of Maryland Baltimore County

- 2203. Contemporary United States Political Geography (Sponsored by Political Geography Specialty Group)**

Room: Room 3, TCC, First Floor (Paper Session)
ORGANIZER(S): Fred Shelley, University of Oklahoma
CHAIR(S): John C. Archer, University of Nebraska
10:00 John Heppen*, University Of Wisconsin River Falls, *Place, Voting, and Status in the World-Economy in the 2012 Presidential Election.*
10:20 Matthew Balentine*, University of Wyoming, *The Changing Electoral Landscape of the Western United States: A Declining Republican Heartland?.*
10:40 Erin H. Fouberg*, Northern State University, Aberdeen, SD, *Congressional Caucuses, Redistricting, and Roll Call Votes.*

- 11:00** Brooks Heitmeier*, University of Oklahoma - Dept. of Geography and Environmental Sustainability, *Wendy Davis vs. Barack Obama: Mapping the 2012 Election to Anticipate 2014.*

- 11:20** Fred Shelley*, University of Oklahoma, *North Colorado, West Maryland, and Siskiyou: Social Media and Current Secessionist Movements Within U.S. States.*

- 2204. Interdisciplinary perspectives on the geographies of islands 2**

Room: Room 4, TCC, First Floor (Paper Session)
ORGANIZER(S): Elaine Stratford, University of Tasmania
CHAIR(S): Elaine Stratford, University of Tasmania
Introducer: Elaine Stratford
10:10 Russell Fielding*, University of Denver, *"The Good Garbage": Waste to Water in the Small Island Environment of St. Barthélemy.*
10:30 Munshi Khaledur Rahman*, Kent State University; Thomas Schmidlin, PhD, Kent State University, *Detecting Changes in Land-use/cover on Saint Martin's Island, Bangladesh Using Remote Sensing Data and GIS.*
10:50 Hui Wang*, Hui Wang, Liaoning Normal University, Dalian, China; Jiao ya Wu, Liaoning Normal University, Dalian, China; Liang Wang, Liaoning Normal University, *Cultural and Heritage Reservation on the Tourism-type Islands ??A Case Study of Guanglu Island in China.*

- 2205. Geographies of Mobility V: Mobility, Marginalization, and Exclusion (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**

Room: Room 5, TCC, First Floor (Paper Session)
ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Tim Schwanen, University of Oxford
CHAIR(S): Tim Schwanen, University of Oxford
10:00 David L. Prytherch*, Miami University, *Rules of the Road: Design, Regulation, and Politics in the Everyday Intersection.*

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- 10:20** Pablo Bose*, University of Vermont, *Refugee (Im) mobilities: Transportation Challenges in Non-Traditional Resettlements and their Impact on Integration.*
- 10:40** Zia Salim*, San Diego State University / University of California, Santa Barbara, *The social geographies of gated community residents in Bahrain: Segregation, sociability, and mobility.*
- 11:00** Selima Sultana*, University of North Carolina-Greensboro; Joe Weber, University of Alabama, *Urban Growth Waves and Commuting Transition in the Conterminous USA: From 1980-2010.*
- 11:20** Deborah Naybor*, University of Buffalo; Jessie Poon, PhD, University of Buffalo; Irene Casas, PhD, Louisiana Tech University, *Activity Space, Mobility Disadvantage and Development: Mobility and Livelihood Opportunities for Rural Ugandan Widows.*

2206. Resuscitating 'resilience' II

Room: Room 6, TCC, First Floor (Paper Session)

- ORGANIZER(S): James McCarthy, Clark University; Karen Bakker, University of British Columbia
- CHAIR(S): James McCarthy, Clark University
- Introducer: James McCarthy
- Introducer: Karen Bakker
- 10:04** Brian King*, The Pennsylvania State University; Jamie Shinn, The Pennsylvania State University; Kelley A. Crews, The University of Texas at Austin; Kenneth R. Young, The University of Texas at Austin, *Fluid Waters and Rigid Governance in the Okavango Delta of Botswana.*
- 10:24** Lucy Rodina*, The University of British Columbia, *Conceptualizing resilience from lived experiences perspective: the case of informal settlements in Cape Town, South Africa.*
- 10:44** Kim Engie*, University of North Carolina at Chapel Hill; Diego Quiroga, Universidad San Francisco de Quito, *Searching for politics within complex adaptive systems.*
- 11:04** Joana Chan*, School of Natural Resources, University of Nebraska-Lincoln; Bryce DuBois, Department of Natural Resources, Cornell University & The Graduate Center of the City University of New York; Keith G. Tidball, PhD, Department of Natural Resources, Cornell University, *Places and Spaces of Resilience: Community gardens in Post-Sandy New York City.*
- Discussant(s): Karen Bakker, University of British Columbia

2207. Searching for alternatives to Bolivia's extractive economy: Remembering and celebrating Ben Kohl 2 (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group, Indigenous Peoples Specialty Group)

Room: Room 7, TCC, First Floor (Panel Session)

- ORGANIZER(S): Tom Perreault, Syracuse University; Anthony Bebbington, Clark University
- CHAIR(S): Derrick Hindery, University of Oregon (International Studies and Geography)
- Introducer: Melissa R Gilbert
- Discussant(s): Anna Zalik, York University
- Panelists: Kathleen Schroeder, Appalachian State University; Sonja Killoran-Mckibbin, York University; Karl Zimmerer, Pennsylvania State University; Tom Perreault, Syracuse University; Anthony Bebbington, Clark University; Linda Farthing

2208. Large-scale farming and landscape change in the Brazilian Savanna (Sponsored by Latin America Specialty Group, Rural Geography Specialty Group, Economic Geography Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

- ORGANIZER(S): Gabriel Granco, Kansas State University;

Marcellus Caldas, Kansas State University-Geography
CHAIR(S): Gabriel Granco, Kansas State University

- 10:00** Gabriel Granco*, Kansas State University; Marcellus M. Caldas, Assistant Professor, Kansas State University, *Is Sugarcane a New Driver of LUCC Change in the Cerrado?.*

- 10:20** Fernando Campos Mesquita*, University of Campinas (Unicamp), *Modern Natural Resources and Regional Development in Peripheral Areas: Perspectives from the ethanol production in the Brazilian State of Goiás.*

- 10:40** Cinthia Cabral Costa, Ph.D., EMBRAPA; Heloisa Burnquist, Professor*, University of Sao Paulo, *Supply Behavior Of Hydrous Ethanol And Sugarcane In Brazil.*

- 11:00** Ana Cláudia Sant'Anna*, Kansas State University; Ricardo Shirota, University of Sao Paulo - ESALQ; Carlos Tadeu Santos Dias, University of Sao Paulo - ESALQ, *The economic use of the legal reserve in the Cerrado: a simulation of the sustainable.*

2209. Place as Material-Semiotic Phenomenon II (Sponsored by Cultural Geography Specialty Group, Animal Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): Benjamin Haywood, University of South Carolina

CHAIR(S): Benjamin Haywood, University of South Carolina

- 10:00** Amanda Rees*, Columbus State University, *"Knot Forrent" In Seaside: Performing a Sense of Place and Place-Making in Resort New Urbanism.*

- 10:20** Crista Livecchi*, Pennsylvania State University, *Renovating Home: Place, Identity, and Home among Military Youth.*

- 10:40** Natasha Majewski*, University of Nevada, Reno, *Mapping the Experience of Home: Using Geospatial Storytelling to Understand Neighborhood Sense of Place in the Wells Avenue Neighborhood Conservation District, Reno, Nevada.*

- 11:00** Samuel Smith*, University of Colorado - Boulder, *Colorado Stories: Constructing Senses of Place at the History Colorado Center.*

2210. alt.conference on Big Data: Opening Panel (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Communication Geography Specialty Group)

Room: Room 10, TCC, First Floor (Panel Session)

ORGANIZER(S): Jim Thatcher, Clark University; Josef Eckert, University of Washington

CHAIR(S): Andrew Shears, University of Wisconsin-Fox Valley

Discussant(s): Agnieszka Leszczynski, Queen's University;

Monica Stephens, Humboldt State University

Panelists: Jeremy Crampton, University of Kentucky; Matthew Zook, University of Kentucky; Nadine Schuurman, Simon Fraser University; David O'Sullivan, University of California, Berkeley

2211. Urban Water Supply and Governance in Sub-Saharan Africa (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group, Water Resources Specialty Group)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Justin Stoler, University of Miami

CHAIR(S): Justin Stoler, University of Miami

- 10:00** Daniel Sambu*, University of Wisconsin -La Crosse, *Global water Initiatives in Africa between 1980 and 2014: A post Millennium Development Goals (MDGs) Review.*

- 10:20** Daniel M Nzengya*, Arizona State University, *Beyond improved water service delivery to improved hygienic*

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practices: challenges of partnerships in informal urban settlements in Kenya.

10:40 Ellis A Adams*, Michigan State University, *Users or Caretakers: Community-Based Water Governance in Malawi's Peri-Urban Settlements.*

11:00 Justin Stoler*, University of Miami; Raymond A Tutu, Delaware State University; Hawa Ahmed, Water Research Institute, Council for Scientific and Industrial Research, Ghana; Lady Asantewa Frimpong, Water Research Institute, Council for Scientific and Industrial Research, Ghana; Mohammed Bello, Water Research Institute, Council for Scientific and Industrial Research, Ghana, *Sachet Water Quality and Brand Reputation in Two Urban Slums in Greater Accra.*

2212. Spatiotemporal Thinking, Computing, and Applications: Panel (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 12, TCC, First Floor (Panel Session)

ORGANIZER(S): Chaowei Yang, George Mason University;

Keith C. Clarke, University Of California, Santa

Barbara; Weihe Wendy Guan, Harvard University

CHAIR(S): Michael F. Goodchild, University of California - Santa Barbara

Discussant(s): E. Lynn Usery, U.S. Geological Survey; Shaowen Wang, University of Illinois at Urbana-Champaign

Panelists: Dawn J. Wright, Esri; Paul Torrens, University of Maryland; Shih-Lung Shaw, University of Tennessee; Jean-Claude Thill, University of North Carolina at Charlotte

2213. Beyond Professional Development: Candid Advice for Students and Early Career Geographers from the AAG Diversity Ambassadors (Sponsored by Jobs and Careers)

Room: Room 13, TCC, First Floor (Panel Session)

ORGANIZER(S): Patricia A. Solís, Association of American Geographers; Nathan J. Sessoms, University of Southern California

CHAIR(S): Nathan J. Sessoms, University of Southern California

Discussant(s): Niem Huynh, Association of American

Geographers; Edris Montalvo, Cameron University

Panelists: Nathan J. Sessoms, University of Southern California; Nekya Young, Texas Southern University; Darryl T. Cohen, U.S. Census Bureau; Arvind Bhuta, Department of Forestry and Natural Resources; Astrid Nicole Ng, Association of American Geographers; Marcela Zeballos, Association of American Geographers

2214. Career Mentoring B (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers

CHAIR(S): Mark Revell, Association of American Geographers

Discussant(s): Deanna McCay, Syracuse University Press; Zoe Pearson, Ohio State University; Linda A. Peters, Esri; Heather R Houlton, American Geosciences Institute; Jason Hight, Florida Fish and Wildlife Conservation Commission; Pablo Fuentenebro, United Nations Environment Programme; Brad Jackson, City of Austin, TX; Kaile Bower, U.S. Census Bureau

2215. Duelling Teleconnections: Implications for Paleoenvironmental Reconstruction (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Room 15, TCC, First Floor (Panel Session)

ORGANIZER(S): Catherine Yansa, Michigan State University; Philip Van Beynen, University of South Florida

CHAIR(S): Catherine Yansa, Michigan State University

Introducer: Catherine Yansa

Panelists: Philip Van Beynen, University of South Florida; Kristine L DeLong, Louisiana State University; Valerie Trouet, Laboratory for Tree-Ring Research

2216. Climate Change and Indigenous People (Part 1): Framing and Facing the Challenges (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Indigenous Peoples Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): RDK Herman, National Museum of the American Indian

10:00 Warren Bernauer, PhD Candidate*, York University, *The apolitics of the coming apocalypse: Climate change, catastrophe narratives, uranium mining and ideology in Nunavut.*

10:20 Dr. Emma S. Norman*, Michigan Technological University, *Rescaling Coalitions: How Indigenous Communities are Addressing Climate Change Stressors Across Political and Social Scales.*

10:40 Zoltan Grossman, Ph.D.*, The Evergreen State College, *Native Challenges to Fossil Fuel Industry Shipping at Pacific Northwest Ports.*

11:00 Michael Dunaway*, University of Kansas, *A New Harvest: Mapping Renewable Energy Resources on Native American Reservations.*

11:20 Randy Pepppler*, University of Oklahoma Department of Geography and Environmental Sustainability; Milton Sovo, Comanche Nation of Oklahoma; Randall Ware, Kiowa Tribe of Oklahoma; Todd Fuller, University of Oklahoma Center for Research Program Development and Enrichment; Kimberly Winton, USGS South Central Climate Science Center, *Perpetuation of Cultural Resources in Oklahoma: An Intertribal Traditional Resources Alliance.*

2217. The Fukushima Disaster: Three Years Later 6 (Panel session: Geographical perspectives on the Fukushima disaster) (Sponsored by Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Economic Geography Specialty Group)

Room: Room 17, TCC, First Floor (Panel Session)

ORGANIZER(S): Daisaku Yamamoto, Colgate University; Noritsugu Fujimoto, Fukushima University

CHAIR(S): Daisaku Yamamoto, Colgate University

Panelists: Mitsuo Yamakawa; Ryota Koyama; Kumpei Hayashi, Faculty of Economics and Business Administration, Fukushima University; Andre Sorensen, University of Toronto; Sasha Davis, University of Hawaii - Hilo; Jessica Hayes-Conroy, Hobart & William Smith Colleges; Thomas Feldhoff, Goethe University Frankfurt; David Edgington, University Of British Columbia

2218. Climate Specialty Group John Russell Mather Paper of the Year Presentation (Sponsored by Geographies of Climate Change, Climate Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Jill Coleman, Ball State University

CHAIR(S): Jill Coleman, Ball State University

2219. Mixed Methods and Hybrid Epistemologies in Climate Change Research II (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Jeff Popke, East Carolina University; Morey Burnham

CHAIR(S): Jeff Popke, East Carolina University

10:00 Kwame N Owusu-Daaku*, Department of Geography-

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- University of South Carolina; Edward Carr*, University of South Carolina, *BEYOND BINARY: Applying a Nuanced Approach to Gender Analysis in Assessing the Vulnerability of Malian Subsistence Farmers to Climate Variability and Change*.
- 10:20** Sophie L Haines, PhD*, University of Oxford; Elisabeth Mary Stephens, PhD, University of Reading; Ana Lopez, PhD, Physics Department, University of Oxford, *Forecasts, Fieldwork and Friction: Developing an Interdisciplinary Approach to Researching the Usability of Weather and Climate Information*.
- 10:40** David Rutherford, PhD*, University of Mississippi, *Lessons Learned from a Large Multi-Disciplinary Climate Change Research and Education Project*.
- 11:00** Kirsten Greer, Dr.*, Nipissing University; Adam Csank, Dr., Nipissing University; Kirby Calvert, Dr., Pennsylvania State University; Margot Maddison-MacFadyen, Memorial University, *Empire, Trees, and Climate: Re-Assembling Climatic Pasts in the North Atlantic*.
- 11:20** Dawn Jourdan*, University of Oklahoma; Kathryn Frank, PhD, University of Florida; Kathryn Frank*, University of Florida, *Participatory Methodologies in Climate Change Research*.
- 2221. Outsiders in the Histories of Geography: Toward Inclusive Perspectives (Sponsored by Geographic Perspectives on Women Specialty Group, History of Geography Specialty Group, AAG Archives and Association History Committee)**
Room: Room 21, TCC, First Floor (Paper Session)
 ORGANIZER(S): Dorothy Sack, Ohio University; Janice Monk, University of Arizona
 CHAIR(S): Tamar Rothenberg, Bronx Community College of the City University of New York
- 10:00** Innes M. Keighren*, Royal Holloway, University of London, *Circling the Society: women's geographical frontiers in Edwardian London*.
- 10:20** Janice Monk*, University of Arizona, *Washington Women: Practicing Geography in the US Government*.
- 10:40** Dorothy Sack*, Ohio University, *No Cursing, No Crying, No Cookies: Women in Geomorphology since World War II*.
- 11:00** Linda J. Peake, Ph.D*, York University, *Interrogating whiteness in the shaping of Anglo-American radical geography*.
- Discussant(s): Heike Jons, Loughborough University
- 2222. Money Talks II: Tracing Emergent Manifestations of Market-Environmentalist Discourses (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: Room 22, TCC, First Floor (Paper Session)
 ORGANIZER(S): Elizabeth Shapiro-Garza, Duke University; Daniel Suarez, University of California at Berkeley; Jessica Dempsey, University of Victoria
 CHAIR(S): Jessica Dempsey, University of Victoria
- 10:00** Audrey Joslin*, Texas A&M University, *Reworking Payments for Ecosystem Services in the Ecuadorian Andes*.
- 10:20** Elizabeth Shapiro-Garza*, Duke University, *Valuing Ecosystem Services in a Non-Utilitarian Universe and the Failure of Market Formation*.
- 10:40** Esteve Corbera*, Institut de Environmental Science and Technology, Universitat Autònoma de Barcelona, *Uncooperative Nature: the failed production of carbon offsets in REDD+ forests and blue oceans*.
- 11:00** Rebecca Lave*, Indiana University Dept of Geography; Martin Doyle, Duke University; Morgan Robertson, U Wisconsin-Madison, *What, if Anything, Does Stream Mitigation Banking Do?*.
- 11:20** Peter Vandergeest*, York University; Simon Bush, Wageningen University; Stefano Ponte, Copenhagen Business School, *Eco-certification Markets and State Authority*.
- 2223. GORABS Annual Lecture: The Popes and the City of Rome during Fascism, 1922-1943 (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
Room: Room 23, TCC, First Floor (Panel Session)
 ORGANIZER(S): Justin Tse, University of British Columbia, Department of Geography
 CHAIR(S): Justin Tse, University of British Columbia, Department of Geography
 Panelists: John Agnew, University of California - Los Angeles
- 2224. R.S. Tarr Student Illustrated Paper Competition (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group)**
Room: Room 24, TCC, First Floor (Illustrated Paper Session)
 ORGANIZER(S): Vena Chu, UCLA; Asa Rennermalm, Rutgers, The State University of New Jersey
 CHAIR(S): Asa Rennermalm, Rutgers, The State University of New Jersey
- 10:00** Shujie Wang*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Lei Wang, Louisiana State University, *Spatio-temporal variability of ice flow and its association with the dynamics of surface morphological features on Larsen Ice Shelf, Antarctic Peninsula*.
- 10:05** Derek Baquero*, Rutgers, The State University of New Jersey; Asa K Rennermalm, Rutgers, The State University of New Jersey, *Precipitation Analysis in Relation to Greenland's Melting Ice Sheet and a Changing Global Climate*.
- 10:10** Emily J. Sturdivant*, Clark University; Karen E. Frey, Ph.D., Clark University, *Detecting snowmelt onset on the Alaskan North Slope from QuikSCAT 2000- 2009*.
- 10:15** Stephen Ross*, The George Washington University; Kelsey E. Nyland, The George Washington University, *Long-term observations of active-layer thickness in characteristic landscapes of northern Alaska..*
- 10:20** Oliver Wigmore*, The Ohio State University; Bryan G. Mark, PhD, The Ohio State University, *High Resolution Aerial Photogrammetry and DEM Generation in the Peruvian Andes: Evaluation of a Kite Based Platform*.
- 2226. FQG Rebel Landscapes II: Uncooperative Commodities (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Ballroom A, TCC, First Floor (Paper Session)
 ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University
 CHAIR(S): Marion Werner, University at Buffalo, SUNY
- 10:00** Bradley Wilson, Ph.D.*, West Virginia University, *Replacing Politics: Landscapes of Rebellion within Ethical Commodity Networks*.
- 10:20** Jake Fleming*, University of Wisconsin - Madison, *Somatic for the People: Grafting and Power in Rural Kyrgyzstan*.
- 10:40** Alida Cantor*, Clark University, *Reclaiming runoff: The rebellious agency of 'waste' water at the Salton Sea*.
- 11:00** Sean Tanner*, Rutgers University, *Progress Thwarted: How objects succeed at dissent*.
- Discussant(s): Richard A. Schroeder, Rutgers University
- 2229. FQG: Five Panelists and the Author Discuss Shiloh Krupar's "Hot Spotter's Report" (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

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Room: Ballroom D, TCC, First Floor (Panel Session)

ORGANIZER(S): Jenna Loyd, University of Wisconsin-Milwaukee

CHAIR(S): Jenna Loyd, University of Wisconsin-Milwaukee

Discussant(s): Shiloh Krupar, Georgetown University; Ryan Griffiths, University of Illinois, Urbana-Champaign; Bruce Braun, University of Minnesota - Minneapolis; Cindi Katz, CUNY Graduate Center; Jake Kosek; Geraldine J. Pratt, University Of British Columbia

2230. Hurricane II: Paleotempestology/Geomorphologic Impacts (Sponsored by Coastal and Marine Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR(S): Harry Williams, University of North Texas

10:00 Larry Kiage, PhD*, Georgia State University, *The Paleohurricane Record from St. Catherines Island, Georgia.*

10:20 Kam-biu Liu*, Department of Oceanography & Coastal Sciences, Louisiana State University; Terrence A McCloskey, Department of Oceanography & Coastal Sciences, Louisiana State University; Thomas A Bianchette, Department of Oceanography & Coastal Sciences, Louisiana State University, *Geochemical and Palynological Signatures of Hurricane Isaac Storm Deposit in the Coastal Wetlands of Lake Pontchartrain, Louisiana.*

10:40 Chad S Lane*, University of North Carolina - Wilmington; Brooklyn Hildebrandt, University of North Carolina - Wilmington; Lisa M Kennedy, Virginia Tech; Allison LeBlanc, Virginia Tech; Kam-biu Liu, Louisiana State University, *Stable Oxygen Isotope Composition of Ostracod Valves in Lagoon Sediments as a Proxy for Prehistoric Tropical Storm Strikes.*

11:00 Joanne Muller*, Florida Gulf Coast University; Jennifer Collins, University of South Florida; Charlie Paxton, National Weather Service; Christian Ercolani, Florida Gulf Coast University, *A Millennial-Scale Record of Hurricane Landfalls along the Southwest Florida Coastline.*

11:20 Harry Williams*, University of North Texas, *Hurricane Irene Washover Sedimentation..*

2231. Operationalizing the geo-energy space 2: Vibrant matter (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Stefan Bouzarovski, University of Manchester; Nazmiye Balta-Ozkan, Policy Studies Institute - University of Westminster

CHAIR(S): Saska Petrova, University of Manchester

10:00 Sören Becker*, IRS Erkner; Ludger Gailing, IRS Erkner; Timothy Moss, IRS Erkner, *Multiple modes of materiality thought: getting into conversation with assemblage thinking, urban political ecologies and the Foucauldian dispositif.*

10:20 Yi-Jen Shie*, National Pingtung University, *The Emergence of Collaborative Environmental Governance in Taiwan: An Implication for Energy Politics.*

10:40 Kårg Kama*, University of Oxford, *Technology in Translation: Realigning Machinery, Resources and Energy Economy.*

11:00 Sonia Grant*, University of Toronto, *Geography, Dilbit pipelines and material politics.*

Discussant(s): Susan Christopherson, Cornell University

2232. Tourism and Governing the Wilderness (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Jarkko Saarinen, University of Oulu; Alison M Gill, Simon Fraser University

CHAIR(S): Jarkko Saarinen, University of Oulu

10:00 Elizabeth S. Vidon*, Indiana University, *Co-Constructing the Wild: Adirondack Park and the 'Nature Tourist'.*

10:20 Amy Savener*, Indiana University, *A Vacation from Capitalism - or "What happens when you take 'mass tourism' out of the tourist?"*

10:40 Thomas B. Larsen, B.A. Geography and Anthropology*, University of Missouri-Columbia, *Meanderings of Power: Topologies of the Ozark National Scenic Riverways.*

11:00 Mark R Welford*, Georgia Southern University, *Can Monte-Carlo simulations of birding data encourage birders to stay longer at Ecuadorian ecotourism facilities?.*

11:20 Dennis Zuev*, CIES-ISCTE, *In and beyond the visual gaze of the tourists: enchantment of Antarctic wilderness.*

2233. STUDENT PAPER COMPETITION (Sponsored by Applied Geography Specialty Group)

Room: Room 33, TCC, Fourth Floor (Interactive Short Paper Session)

ORGANIZER(S): Dawna L. Cerney, Youngstown State University; Bill Hodge, City of Midland

CHAIR(S): Dawna L. Cerney, Youngstown State University

10:00 Crystal English, MA, CCIA*, San Diego State University/UC Santa Barbara, *Geospatial Strategic Analysis of Violent Crime.*

10:05 Stephanie Kozak*, University of Kansas, *Pittsburgh's Housing Problem in All the Wrong Places: Affordable Housing and Spatial Mismatch.*

10:10 Min Jo Kang*, Florida State University, *Measuring Urban Imperviousness and Modeling Storm-water Quality: Subtropical Comparisons between an Arid and a Humid City.*

2234. Geographies of Race and Ethnicity (Sponsored by Racism and Violence)

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sue Grady, Michigan State University

10:00 Shlomit Flint*, UCL, *Residential Dynamics Of Minorities In East-London.*

10:20 Cong Fu*, Louisiana State University, *Maximum the equality for the minorities to NCI centers.*

10:40 Stephen Young*, University of Wisconsin-Madison, *Anticipatory Governance and the Geographies of Racialization.*

11:00 Keumseok Koh*, Michigan State University; Sue C Grady, Michigan State University, *Decomposing the Black-White Gap in Obesity Prevalence in the United States.*

11:20 Sue C Grady, PhD, MPH*, Michigan State University, *Residential Mobility and Racial Disparities in Infant Mortality.*

2235. Beyond the Magnolias and Duck Dynasties: New Perspectives on Southern Landscapes, Space and Southern Geographies (Sponsored by Study of the American South Specialty Group, The American South)

Room: Room 35, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Aretina Hamilton, University of Kentucky

Introducer: Aretina Hamilton

Panelists: LaToya Eaves, Florida International University; Derek H. Alderman, University of Tennessee; Richard Schein, University Of Kentucky

2236. Error/Accuracy Assessment Challenges for Individual and Fused Data Sources -- B (Sponsored by Geographic Information Science and Systems Specialty Group, Military Geography Specialty Group, Remote Sensing Specialty

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- Group)**
Room: Room 36, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Bandana Kar, University of Southern Mississippi
CHAIR(S): Bandana Kar, University of Southern Mississippi
10:00 Opeyemi A Zubair*, Department of Geosciences, University of Missouri-Kansas City; Wei W Ji, Department of Geosciences, University of Missouri-Kansas City, *Improving the Accuracy of Urban Landscape Transformation Modeling*.
10:20 Kelly Sims*, Oak Ridge National Laboratory, *Exploring the Reliability of Using Social Media as a Tool in Modeling Near Real-Time Populations of Special Events*.
10:40 Fang Qiu*, University of Texas - Dallas; Harini Sridharan, Ph.D., Oak ridge National Laboratory; Yuhong Zhou, University of Texas at Dallas, *Comparison of WorldView-2 8-band and ALSA hyperspectral data for urban forest classification*.
11:00 Dolores Jane Forbes*, Florida Atlantic University, *Disaggregating GDP in Florida for Socio-Ecological Research*.
11:20 Caiyun Zhang*, Florida Atlantic University, *Combining Hyperspectral and LiDAR Data for Vegetation Mapping in the Florida Everglades*.
- 2239. Geosimulation Models 1: Methodological Advances (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Room 39, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Andrew Crooks, George Mason University; Suzana Dragicevic, SIMON FRASER UNIVERSITY; Paul Torrens, University of Maryland
CHAIR(S): Suzana Dragicevic, SIMON FRASER UNIVERSITY
10:00 Paul M Torrens*, University of Maryland, College Park, *Geosimulation of earthquakes at the human-physical interface*.
10:20 Raja R Sengupta, Dr.*, McGill University; Tyler R Bonnell, Dept. of Geography, McGill University, *What is Special about Spatial Agents?*.
10:40 Anthony Jjumba*, Simon Fraser University; Suzana Dragicevic, Simon Fraser University, *Voxel-based automata for spatial simulation*.
11:00 Meijuan Jia*, UNC Charlotte; Wenwu Tang, UNC Charlotte, *Spatiotemporal sensitivity analysis of an agent-based model of Artificial Anasazi*.
11:20 Mathieu Leclaire*, UMR Géographie-cités / Geodiversity; ROMAIN REUILLON, UMR Géographie-cités / Geodiversity, *Simpuzzle/Janet tools or how to build a step by step modular ABM ?*.
- 2240. Historical Geographies of Prisons and Jails II**
Room: Room 30B, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Dominique Moran, University of Birmingham; Karen M. Morin, Bucknell University
CHAIR(S): Karen M. Morin, Bucknell University
10:00 Jennifer Turner*, Aberystwyth University; Kimberley Peters, Aberystwyth University, *Shackled at Sea: Geographies of Mobility and Agency on the Convict Ship*.
10:20 Jack Norton*, CUNY Graduate Center, *Little Siberia, Star of the North: The Political Economy of Prison Dreams in the Adirondacks*.
10:40 Carol Medlicott*, Northern Kentucky University, *Prisoners in Zion: Shaker Sites as Foundations for Later Communities of Incarceration*.
11:00 Treva C. Ellison*, University of Southern California, *The End(s) of Inclusion: The Impact of LGBT Activism and Advocacy on Sensitivity Policing and Gender and Sexuality Responsive Jailing, 1970 - 1997*.
Discussant(s): Anne Bonds, University of Wisconsin, Milwaukee
- 2241. Health, Medical Geography, and Geographic Methods in Research and Education**
Room: West Hall, TCC, Third Floor (Poster Session)
ORGANIZER(S): Program Committee
Tiffany M Huff*, Texas Christian University, *A Geographical Analysis of Enrollment Trends at Texas Christian University, 2003 - 2012*.
Bryant Jackson*, Middle Tennessee State University; **Hari P Garbharran, Ph.D.**, Middle Tennessee State University, *Implementing health and wellness into the Nepal classroom with Humans in Crisis..*
Anna Versluis*, Gustavus Adolphus College; **Anna Hulseberg**, Gustavus Adolphus College, *Integrating Information Literacy into an Undergraduate Geographic Research Methods Course*.
Xiaomin Qiu*, Missouri State University; **Derek Wu**, Missouri State University, *Multi-Year Trends of NAEP Math Score of Missouri*.
Michael Applegarth*, Shippensburg University, *An example of teaching image processing techniques*.
Andrea B Chavez*, Universidad Nacional de Ucayali, Pucallpa and Universidad Nacional Amazonica de Madre de Dios, Puerto Maldonado, Peru; **David Salisbury, PhD**, University of Richmond; **Stella Han**, University of Richmond; **Edgar Díaz Zúñiga**, Universidad Nacional de Ucayali, Pucallpa, Peru; **Roly Baldoceda Astete**, Universidad Nacional de Ucayali, Pucallpa, Peru, *Conservation Capacity Building Efforts through Amazonian Higher Education in Peru*.
Petra Zimmermann*, Ball State University, *Examining Physical Space Differences on Student Learning in GIS*.
Paporn Thebpanya*, Towson University; **Heather Holst**, Towson University, *GIS in Secondary Education: The Status Quo in Maryland*.
Brittany J Angelo*, Plymouth State University, *Applying Fieldwork Skills to International Field Trips*.
David C. Viertel, Ph.D.*, Eastern Illinois University, *Positioning a Lidar Class within the Undergraduate Geographic Information Science & Technology Curriculum: Finding Space for an Emerging Skillset*.
Shannon Bartholomew*, Furman University; **Weston R Dripps**, Associate Professor, Furman University, *Student Paper Consumption at a Liberal Arts University*.
Robert Edsall*, Idaho State University; **Kate Wilson**, Idaho State University, *Geodesign Case Study: ArcGIS Online and Collaboration for Regional Planning in the Greater Yellowstone Ecosystem*.
David P Massey*, Indiana University-Bloomington; **Matthew R Brennan**, Indiana University-Bloomington, *Geographic Augmented Reality Visualizations*.
Santiago Lopez, PhD*, University of Washington Bothell, *The coupling of cellular automata and logistic regression: A spatial simulation model of agricultural expansion*.
David K Patton, Ph.D.*, Central Michigan University; **Timothy Kunde, B.S.**, Central Michigan University; **Sam Lipscomb, B.S.**, Central Michigan University; **Ryan Meier, B.S.**, Central Michigan University; **Reid Mullen, B.S.**, Central Michigan University, *Visualizing Michigan's Population*.
Stella Todd, Ph.D., Metropolitan State University of Denver; **Victoria Ives***, Metropolitan State University of Denver; **James Jessup**, Metropolitan State University of Denver, *Comparison of Cartographic Symbols Representing Temperature*.
Klaus Bayr*, Keene State College; **Dorothy K Hall**, Goddard Space Flight Center, NASA; **Christopher Dunn**, Keene State College; **Adam Riffle**, Keene State College, *3D models of the Pasterze Glacier, Austria, through*

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- satellite imagery and maps.*
Barry J Kronenfeld*, Eastern Illinois University, *Cartogram Construction from Dot Density Maps using Triangular Mesh Transformation.*
- Julie Commerford*, Kansas State University, *Python Applications for Geospatial Pollen Analysis.*
- Raziel Shields*, United States Military Academy, *Discovering the Roots of Quality of Life Disparity in Angola through Spatial Analysis.*
- Kristin Carlson*, Keene State College; Michael Richard Desjardins, Keene State College; James Armand Shea, Keene State College, *Habitat and Recreation Analysis of Surry, New Hampshire: a mixed methods approach.*
- Karen D. Johnson-Webb, Ph.D.*, Bowling Green State University, *Teen Births, Low Birth Weight and Infant Mortality in Lucas County, Ohio.*
- Xiaoping Shen*, Central Connecticut State University; Limin Wang, China CDC; Xiulan Zhang, Beijing Normal University, *Geographic Differences of Lung Cancer Mortality and Regional Industrialization in China: Evidence from Four Decades of Tracking.*
- Alicia M. Campo, Dr.*, National Scientific and Technical Research Council (CONICET) ? Universidad Nacional del Sur (UNS) ? ARGENTINA; Maria B. Ramos, B.S., Universidad Nacional del Sur (UNS) ? ARGENTINA, *Typical meteorotropic diseases of the winter in Punta Alta - Argentina.*
- Grady Dixon*, Mississippi State University; Adam J. Kalkstein, United States Military Academy, *Suicide Seasonality in the United States, 1975-2010.*
- Melinda Butterworth*, University of Arizona, *Climate Change and Dengue Fever Potential in the Southern United States.*
- Frances Currin Mujica*, The University of South Alabama; Brandi Stewart, The University of South Alabama, *Chagas Disease and its Vector Triatoma Sanguisuga in Mobile, Alabama.*
- Elizabeth Dykstra Huenecke*, Northern Illinois University, *Analyzing WIC Accessibility in Chicagoland.*
- Randy J Wolter*, CSU Northridge, *9-1-1 Response Times and Socioeconomic Status in the City of Los Angeles, January 1, 2007 to December 31, 2012.*
- Ana Grahovac*, University of Illinois, *Anti-abortion Spaces and Outcomes on Childbearing.*
- Patricia Drews*, Northwest Missouri State University, *Nursing Home Capacity and Occupancy Rates in Missouri.*
- Sandy Wong*, University of Illinois at Urbana-Champaign; Jamie A Fishman*, University of Illinois at Urbana-Champaign, *Spatial Distributions of Supplemental Security Income Recipients in the U.S..*
- Nick Ross*, Saginaw Valley State University; Rhett Louis Mohler, Assistant Professor of Geography, Saginaw Valley State University, *Identifying the causes of an anoxic reach of the North Branch Kawkawlin River.*
- Peter J Anthamatten*, University of Colorado Denver; Lois Brink, MLA, College of Architecture and Planning; Ray Browning, PhD, Colorado State University; Erin Fiene, MURP, University of Colorado Denver; Beverly Kingston, PhD, Adams County Youth Initiative; Eve Kutchmann, MEd, University of Colorado Denver, Anschutz Health and Wellness Center; Melanie Mainar, MPH, University of Colorado Denver; Claudio Nigg, PhD, University of Hawaii at Manoa, *Progress in Microgeography: Spatial Methods for Assessing Design Practices in Elementary Schoolyards.*
- Ivy Dam, MA*, Department of Geography and Environmental Studies, Wilfrid Laurier University, 75 University Avenue West, Waterloo, Ontario, Canada, N2L 3C5; Sean T. Doherty, PhD, Department of Geography and Environmental Studies, Wilfrid Laurier University, 75 University Avenue West, Waterloo, Ontario, Canada, N2L 3C5, *Tracking the food choice process through an automated activity monitoring system.*
- Philip M Hurvitz, PhD*, University of Washington, Urban Design & Planning; Anne V Moudon, Dr es Sc, University of Washington; Brian E Saelens, PhD, University of Washington; Bumjoon Kang, PhD, SUNY Buffalo; Glen E Duncan, PhD, University of Washington, *Emerging Technologies for Assessing Physical Activity Behaviors in Space and Time.*
- Elaine Hallisey, MA*, U.S. Centers for Disease Control & Prevention; Barry Flanagan, PhD, U.S. Centers for Disease Control and Prevention; Brian Lewis, BS, U.S. Centers for Disease Control and Prevention; Caitlin Mertzluft, MPH, University of Georgia, *(Sample) Size Matters: Visualizing How Sample Size Affects Sampling Error.*
- Rebecca Stubbs*, University of Colorado at Boulder; Fernando Riosmena, University of Colorado at Boulder; Elisabeth Root, University of Colorado at Boulder; Jamie Humphrey, MPH, University of Colorado at Boulder; Emily Steiner, University of Colorado at Boulder, *Using Python to Capture Neighborhood Demographics Surrounding Participants in Restricted-data Health Surveys.*
- Bharath Ganesh Babu, Assistant Professor of Geography*, Valparaiso University; Nirupama Devaraj, Assistant Professor of Economics, Valparaiso University; Suchandra Basu, Assistant Professor of Economics and Finance, Rhode Island College, *Relationship between race, income, and environmental quality in Indiana..*
- Raymond Sanchez Mayers, Ph.D.*, Rutgers University; Lyna Wiggins, Ph.D., Rutgers University; Cory L. Morton, Ph.D., Columbia University; Fontaine H. Fulghum, Ph.D., Rutgers University; N. Andrew Peterson, Ph.D., Rutgers University, *Using Geospatial Analyses to Examine Tobacco Outlet Density in African American and Latino Neighborhoods.*
- Michelle A. Coe*, University of Arizona, *Teaching and Learning through a School Reconciliation Ecology Program.*
- Christiane Von Reichert*, University of Montana; Lillie Greiman, University of Montana; Helen E. Berry, Utah State University; Andrew Myers, University of Montana, *Disability Patterns in Rural Areas.*
- 2252. Climate change: Planning, Policy and Practice II: Role of Government Agencies (Sponsored by Human Dimensions of Global Change Specialty Group, GIScience, GIS, and Public Policy, Geographies of Climate Change)**
Room: Grand Salon A, Marriott, Second Floor (Paper Session)
ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): Lindsay Matthews, University of Waterloo
10:00 George Adamson*, King's College London, *Historical climate adaptation research as a tool for policymaking.*
10:20 Dan Wei*, University of Southern California; Adam Rose, University of Southern California; Thomas Peterson, Center for Climate Strategies, *A Comparative Analysis of the Economic Impacts of State Climate Action Plans.*
10:40 Harley Johansen, University of Idaho; Yelizaveta Skryzhevskaya*, Miami University of Ohio, *Adaptation priorities on Russia's Kola Peninsula: climate change vs. post-Soviet transition.*
11:00 Lindsay Matthews*, University of Waterloo, *Climate Change Adaptation Planning at the Community Level.*
- 2254. Youth and political action in the city (Sponsored by Urban Geography Specialty Group)**
Room: Grand Salon C, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Mathieu Labrie, Institut national de la recherche scientifique, centre urbanisation, culture et

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- CHAIR(S): Julie-Anne Boudreau, INRS-Montreal
- 10:00** Nicholas J Crane*, The Ohio State University, *Youth political geography, inclusion, and young people's politics: Reflections informed by ongoing fieldwork in Mexico City.*
- 10:20** Mathieu Labrie*, Institut national de la recherche scientifique | UCS, *A view of the collective action repertoires mobilised during the 2012 Maple spring.*
- 10:40** Julie-Anne Boudreau*, INRS-Montreal, *Youthfulness and urban political action: Some theoretical reflections.*
- 11:00** Narciss M. SOHRABI*, universite parisX, *Cofeshop(café), Public Sphere for Further Reflections of Social Movement (Case Study: Tehran, capital of Iran).*
- 11:20** Sara Black*, University of Georgia, *Integrations of Climate and Immigrant Justice in Georgia.*
- 2258. Narrating the Nation through Urban Space II (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
- Room:* Grand Salon G, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Joshua Hagen, Marshall University; Alexander C. Diener, University of Kansas
- CHAIR(S): Joshua Hagen, Marshall University
- 10:00** Reuel Hanks, Ph.D.*, Oklahoma State University, *A Usable Past: The Symbolology of Public Culture and Reappropriation of Communal Space in Defining "Uzbekness."*
- 10:20** Garth Myers*, Trinity College, *Narrating Zambia from Lusaka and Mongu.*
- 10:40** Orhon Myadar*, University of Arizona, School of Geography and Development, *The city, memory and ideology: Inscribing memory and ideology in the cityscape of post-socialist Mongolia..*
- 11:00** Joseph Scarpaci*, West Liberty University, *Ruin and Resurrection: Re-branding Iconic Symbols in Cuban Products and Places.*
- 11:20** Ronald Davidson*, California State University, Northridge, *Showa People's Park: Place, Play and National Identity in Contemporary Japan.*
- 2259. STOP criminalizing the Migrant-other ... PROMOTE radical autonomy resisting borders and b/ordering mechanisms - II (Sponsored by Geographic Perspectives on Women Specialty Group, Population Specialty Group, Socialist and Critical Geography Specialty Group)**
- Room:* Grand Salon H, Marriott, Second Floor (Panel Session)
- ORGANIZER(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University; Pierpaolo Mudu, University of Washington - Tacoma
- CHAIR(S): James Tyner, Kent State University
- Introducer: Jeremy Tasch
- Discussant(s): Eli Meyerhoff, University of Minnesota; Sutapa Chattopadhyay, UNU-Merit & Maastricht University
- Panelists: Pierpaolo Mudu, University of Washington - Tacoma; Joshua Labove, Simon Fraser University; Deirdre Conlon, Saint Peter's University
- 2260. Hazards, Risks, and Disasters S.G. Session: Disaster Management, Planning and Perceptions 2 (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
- Room:* Grand Salon I, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Philip L. Chaney, Auburn University
- CHAIR(S): Michele D Vachon, CHMM, University of Idaho
- 10:00** Samuel Y Lobby*, University of Kansas, *The Human Attempt to Control the Destructive Forces of Nature: The Insider's Perspective from a Wildland Firefighter.*
- 10:20** Richard Hinton*, PSU, *Open Source Geospatial Technologies for Vulnerability Assessment and Disaster Risk Reduction.*
- 10:40** Leah Windsor, The University of Memphis; Clint Thompson*, The University of Kansas; Timothy Hnat, The University of Memphis; Alistair Windsor, The University of Memphis, *Geolocated Disaster Dataset (GeDD): A Geographic Approach to Natural Disasters.*
- 11:00** Lauren Goddard*, University of Memphis, *End-user Perspectives of Geographic Information Systems (GIS) within Emergency Management Organizations: A Case Study.*
- 11:20** Michele D Vachon, CHMM*, University of Idaho; Tim G Frazier, PhD, University of Idaho; Courtney Thompson, University of Idaho, *Rural Emergency Planning - Limitations to Hazardous Materials Transport.*
- 2261. John Odland Award (SAM Student Paper Contest) II (Sponsored by Spatial Analysis and Modeling Specialty Group)**
- Room:* Grand Salon J, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Joni Downs, University of South Florida
- CHAIR(S): Joni Downs, University of South Florida
- 10:00** Haifeng LIAO*, University of Utah, *Multi-scale and multi-mechanism of regional inequality in provincial China: A spatial filtering perspective.*
- 10:20** Bo Yang*, hongxing Liu; Emily Kang, *Assimilation of multi-scale thermal remote sensing data using spatio-temporal cokriging method.*
- 2265. Scale and Sustainability: From Fields to Space (Sponsored by Scale and Sustainability)**
- Room:* Florida Salon IV, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Bob Kates, Independent Scholar; Thomas Wilbanks, Oak Ridge National Laboratory
- CHAIR(S): Thomas Wilbanks, Oak Ridge National Laboratory
- 10:00** Souknilanh Keola*, Institute of Developing Economies; Magnus Andersson, Lund University; Ola Hall, Lund University, *Geographic and Temporal Scales of Monitoring Development from Space.*
- 10:20** Abe Goldman*, University of Florida, *The Sustainability Mosaic of an Intensive Agricultural Landscape surrounding a National Park in Western Uganda.*
- 10:40** Rosina M Bierbaum, PhD*, University of Michigan; Kanta Kumari, World Bank; Ana Bucher, World Bank, *Addressing multiple stresses across scales in World Bank projects.*
- 11:00** Robert Brinkmann, Ph.D.*, Hofstra University; Sandra Garren, University of South Florida; Wei Liu, Ph.D., United Nations, Department of Economic and Social Affairs, *Scale and Sustainability in National Reports to the Rio + 20 Conference.*
- 11:20** Richard Roehrl*, United Nations Department for Economic and Social Affairs, *Global assessment of sustainable development.*
- 2267. Chairs' Symposium II: Innovations in Master's Programs (Sponsored by Geography Faculty Development Alliance (GFDA), Enhancing Departments and Graduate Education project (EDGE))**
- Room:* Florida Salon VI, Marriott, Second Floor (Panel Session)
- ORGANIZER(S): Kenneth E. Foote, University of Connecticut
- CHAIR(S): Kenneth E. Foote, University of Connecticut
- 2268. Urban systems and scaling laws: Functional diversity and urban economic trajectories (Sponsored by Urban Geography Specialty Group)**
- Room:* Meeting Room I, Marriott, Second Floor (Paper Session)
- ORGANIZER(S): Celine Vacchiani Marcuzzo
- CHAIR(S): Celine Vacchiani Marcuzzo
- 10:00** Elfie Swerts*, Paris 1 Panthéon Sorbonne; Céline Vacchiani-Marcuzzo, Université de Reims; Fabien Paulus, Université de Strasbourg, *Scaling laws as a tool for characterising the functional evolution in urban systems.*

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10:20 Olivier Finance*, UMR Géographie-Cités, ERC
GeoDiverCity, *Transnational firms in the French
system of cities and scaling laws.*

10:40 Erez Hatna*, Johns Hopkins University; Elsa Arcaute,
University College London; Peter Ferguson, University
College London; Hyejin Youn, University of Oxford;
Anders Johansson, University of Bristol; Michael
Batty, University College London, *City boundaries and
the universality of scaling laws.*

11:00 Timothy Gulden*, George Mason University, *Modeling
and Measuring City Size and Scaling in the Global
Urban System.*

Discussant(s): Denise Pumain, University Paris I

**2269. Geographies of Media 1: Digital Media (Sponsored by
Cultural Geography Specialty Group, Communication
Geography Specialty Group)**

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Joseph Palis, Second Carolina State University;
John Finn, Christopher Newport University
CHAIR(S): Ken Hillis, University Of North Carolina - Chapel
Hill

10:00 Robyn Longhurst*, University of Waikato, *Mediated
Maternities: Digital Communication Technologies,
Gender, Emotion and Affect.*

10:20 Renee Pieschke*, Minnesota State University,
Mankato, *Attempting to Close the Digital Frontier:
Communications Geography and Web 2.0 Culture.*

10:40 Elyse R Stanes*, University of Wollongong; Chantel Carr,
University of Wollongong, *Making Lives Online.*

11:00 James Baginski*, Ohio State University, *Facebook as
Neoliberal Governance Strategy: Federal Agencies
Capitalizing on Private Sector Web 2.0 Platforms.*

2270. Water resources and eco-hydrological processes in arid zones

Room: Meeting Room 3, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Yaning Chen, Chinese Academy of Sciences
CHAIR(S): Yaning Chen, Chinese Academy of Sciences
Introducer: Yaning Chen

Discussant(s): Yongjin Chen; Changchun Xu, Xinjiang
University; Xiang Huang, Xinjiang Institute of
Ecology and Geography of The Chinese Academy
of Sciences; Guili Sun; Aihong Fu; Honghua Zhou,
CAS; Yang Yu Hai, Xinjiang Institute of Ecology and
Geography, Chinese Academy of Sciences; Zhaoxia Ye

Panelists: Weihong Li, Chinese Academy of Sciences; Jiangui
Li; Xiaojun Yang, Florida State University; Xun Shi,
Dartmouth College; Hongxing Liu, University of
Cincinnati

**2271. Regiona Development, Inequality and Policy in China I
(Sponsored by China Specialty Group, Regional Development
and Planning Specialty Group, Asian Geography Specialty
Group)**

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Yehua Wei, University of Utah; Shuming Bao,
China Data Center

CHAIR(S): Canfei He, Peking University

10:00 Yehua Dennis Wei*, University of Utah, *Spatialities of
Regional Inequality of China.*

10:20 Changhong Miao*, Center for Yellow River Civilisation
and Sustainable Development & College of
Environment and Planning, Henan University;
Wenying Shang, College of Economics, Henan
University; Jianming Miao, Center for Yellow River
Civilisation and Sustainable Development, Henan
University, *Population Migration, Industrial Transfer
and the Dynamics of regional inequality in China.*

10:40 Chen Chen*, University of Pennsylvania, *Re-assessing the
Emerging Middle-class in an Urbanizing China.*

11:00 Wenjie Zhang*, The University of Texas at Austin;

Shuming Bao, University of Michigan, *Created
Unequal: An Analysis of China's Income Inequality in
Metropolitan Development.*

**2272. China's Rapid Urbanization and Suburbanization (Sponsored
by China Specialty Group)**

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Guo Chen, Michigan State University

CHAIR(S): Max Lu, Kansas State University

10:00 Enru Wang*, University of North Dakota, *Measuring
Urban Sprawl in China.*

10:20 Yifan Zhang*, *Development Strategy, Economic Structure
and Urbanization: Facts in China.*

10:40 Xin Li*, *Urban Expansion in Western China:
Challenging Conventional Interpretations of Chinese
"Suburbanization".*

11:00 Yichun Xie*, Eastern Michigan University, *From Cells to
Cities and Regions.*

11:20 Max Lu*, Kansas State University; Jianjun Yang, Zhejiang
University; Minyan Guo, Zhejiang University, *The
Drivers of Rapid Urbanization in Post-reform China.*

**2273. Sustainable Waste Management Systems II (Sponsored by
Scale and Sustainability)**

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Yvonne Rollins, The University of Western
Ontario; Cassandra Kuyvenhoven

CHAIR(S): Yvonne Rollins, The University of Western Ontario

10:00 Josie Wittmer*, University of Guelph; Kate Parizeau*,
University of Guelph, *Environmental governance,
urban change, and health: An investigation of informal
recyclers' perspectives on well-being in Vancouver, BC.*

10:20 Gentry Hanks*, Queen's University, *Diabetic Debris:
Flows of Personal Biomedical Waste.*

10:40 Nancy Kanbar*, Notre Dame University-Louaize; Dawn
Cassandra Parker, University of Waterloo; Thomas
Dietz, Michigan State University, *Investigating
decision-making in social dilemmas: An analysis of
economic behavior of source separation of wastes in
Lebanon.*

11:00 Cassandra Kuyvenhoven*, Queen's University, *The Risks
to Human and Environmental Health and Safety in the
Transportation of Canadian Municipal Solid Waste.*

Discussant(s): Virginia Maclaren, University Of Toronto

**2274. Foreign-Direct Investments, Multinational Firms and Cluster
Networks in the Global Knowledge Economy 2**

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Harald Bathelt, University of Toronto; Peng-
Fei Li

CHAIR(S): Nicholas Phelps

10:00 Yuefang Si*, East China Normal University; Ingo Liefner,
Justus Liebig University Giessen, *Emerging Cognitive
Distance within and between Firms: Conceptual
Remarks and an Application to Chinese Foreign Direct
Investment in Germany.*

10:20 Harald Bathelt*, University of Toronto; Peng-Fei Li,
University of Toronto, *Re-configuring FDI Linkages
Between Developed and Developing Economies: From
Comparative Advantage to Knowledge Orientation?.*

10:40 Sebastian Henn*, Leibniz-Institute for Regional
Geography; Matthias Brachert, IWH - Halle Institute
for Economic Research; Mirko Titze, IWH - Halle
Institute for Economic Research, *European Cluster
Networks - Insights from 7th EU Framework Program.*

11:00 Kuo Siong Tan*, University at Buffalo; Jessie Poon, PhD,
University at Buffalo-SUNY; Peter Kedron, PhD,
Ryerson University; Sharmistha BagchiSen, PhD,
University at Buffalo-SUNY, *Do foreign subsidiaries
innovate and perform better in a cluster? A spatial*

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- analysis of Japanese subsidiaries in the US.*
- 11:20** Jana Maria Kleibert*, University of Amsterdam, *FDI and the Global Knowledge Economy: Industry-Academe Collaboration in the Philippines.*
- 2277. Social Impacts of International Migration on Communities Left Behind (Sponsored by Cultural Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Richard Jones, University Of Texas at San Antonio
 CHAIR(S): Holly Worthen, University of North Carolina at Chapel Hill
- 10:00** Holly Worthen*, Universidad Autonoma de Benito Juarez de Oaxaca, *Geographies of Absence: The making of place in a Mexican migrant ghost town.*
- 10:20** Neusa Hidalgo Monroy, Ph. D.*, University of Toledo, *Migration effects on culture and resource management among indigenous communities in the southern states of Mexico..*
- 10:40** Ian Yeboah*, Miami University, *Globalized Labor Market, New Economics of Labor Migration and the Geography of Social Impacts of Migration on Ghanaian Households..*
- 11:00** Stephanie Fomenky*, *Cameroonian Emigration and the State of Development in Cameroon.*
 Discussant(s): Rebecca Elmhirst, University of Brighton
- 2278. The Natural and Human Structuring of Rivers and other Geomorphic Systems II: A Special Session In Honor of Will Graf (Sponsored by Geomorphology Specialty Group)**
Room: Meeting Room 9, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Bruce Rhoads, University Of Illinois; Mark Fonstad, University of Oregon
 CHAIR(S): Inci Guneralp, Texas A&M University
- 10:00** Francis Magilligan*, Dartmouth College; Keith H. Nislow, USDA Forest Service: Northern Research Station, Amherst, MA, United States; Boyd Kynard, Department of Environmental Conservation, University of Massachusetts, Amherst, MA, United States; Alex Hackman, Massachusetts Division of Ecological Restoration, Boston, MA, United States, *If You Take It Down, They Will Come: Changes in Sediment Flux, Channel Bed Habitat, and Fish Demography Following Dam Removal in a Headwater Catchment.*
- 10:20** Janet Hooke*, University of Liverpool, *Geomorphological Impacts of Flood Events and Sequences in a Semi-Arid Region.*
- 10:40** Allan James*, University Of South Carolina, *Looking Back While Designing Forward: Historical Perspectives in the Post-Pristine River Restoration Era.*
- 11:00** Mark Fonstad*, University of Oregon, *The Re-enchantment of Geomorphic Photography.*
- 11:20** Bruce L. Rhoads*, University Of Illinois, *Human-River Interactions in the Anthropocene: Science to support Management and Policy for Intensively Managed Landscapes in the Midwest.*
- 2279. Session I: Disciplining the Transnational Mobility of People: Actors, Tactics, Technologies (Sponsored by Political Geography Specialty Group, Population Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: Meeting Room 10, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Martin Geiger, Carleton University; Bethany Hastie; Emily Gilbert, University of Toronto
 CHAIR(S): Helga Leitner, University of California, Los Angeles
- 10:00** Fabian Georgi*, Free University Berlin, *Social Forces in the Making of Migration Management. A historical-materialist analysis.*
- 10:20** Paolo Novak*, soas, *Migrants' legal status as a productive tension.*
- 10:40** Bethany Hastie*, *Understanding the role of 'knowledge' in disciplining and labeling 'human trafficking' within the paradigm of [irregular] migration.*
- 11:00** Anne-Marie D'Aoust*, Université du Québec à Montréal, *Moving Stories: Love and Resistance in Cross-Border Marriage Management Practices.*
- 11:20** Stefan Rother*, Arnold-Bergstraesser Institute, *A Tale of Two Tactics: Civil Society and Competing Visions of Global Migration Governance from Below.*
- 2280. Gail Hobbs Student Paper Competition (Sponsored by Geography Education Specialty Group)**
Room: Meeting Room 11, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Herschel Stern, Miracosta College
 CHAIR(S): Herschel Stern, Miracosta College
- 10:00** Larianne Collins*, University of South Carolina, *The Impact of Paper Versus Digital Map Technology on Students' Spatial Thinking Skill Acquisition.*
- 10:20** Forrest J Bowlick*, Texas A&M University, *The influence of project-based group research on student perceptions of learning GIS in a 'stacked' graduate/undergraduate introductory GIS course..*
- 10:40** Stacey Kerr*, The University of Georgia, *Thinking with Deleuze for Geography Education.*
- 11:00** Jessica F Kobe*, University of Georgia, *Global Citizenship Education in Early Childhood Classrooms.*
- 2281. Resources and Opportunities for Geographers from the US National Science Foundation and National Institutes of Health: Making Sense of the Complex, Complementary, and (Occasionally) Confusing Funding Landscape**
Room: Meeting Room 12, Marriott, Third Floor (Panel Session)
 ORGANIZER(S): David Berrigan; Thomas Baerwald, National Science Foundation
 CHAIR(S): David Berrigan
 Panelists: Bethany Deeds, National Institute on Drug Abuse; Daniel Hammel, NSF; Kelley Crews, University of Texas; Thomas Baerwald, National Science Foundation; David Berrigan; Beth Mitchneck, University of Arizona
- 2282. Geographies of Health, Wellbeing & the Social Economy: Practices, Tensions & Prospects II (Sponsored by Health and Medical Geography Specialty Group, Disability Specialty Group, Economic Geography Specialty Group)**
Room: Meeting Room 13, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Robert Wilton, McMaster University; Joshua Evans, Athabasca University
 CHAIR(S): Joshua Evans, Athabasca University
- 10:00** Dory Kornfeld*, Columbia University, *Food Access, the Social Economy, and the Brownsville Youth Market.*
- 10:20** Peter Hossler*, Rhodes College, *'Margins Before Mission': Credit Ratings, Investments, Employee Salaries and the Pull of the Market.*
- 10:40** Brendan Murtagh*, Queens University Belfast, *The Local as a Site of Economic Sustainability.*
- 11:00** Peter J North, Dr*, University Of Liverpool, *The Social and Solidarity Economy North and South: Towards convivial post capitalist economies?.*
 Discussant(s): Daniel Trudeau, Macalester College

WEDNESDAY, APRIL 9 • 11:40/11:45/11:50 AM • 2300

**2329. AAG Honorary Geographer Award: Warren Washington
The Evolution of Climate Modeling and the U.S. Global
Change Research Program**

Room: Ballroom D, TCC, First Floor (Paper Session)
11:45 AM – 12:45 PM

Welcoming remarks: **Julie Winkler**, AAG President, Michigan
State University

Introducer: **Lesley-Ann Dupigny-Giroux**, University of Vermont

Speaker: **Warren Washington**, Senior Scientist, NCAR,
and 2014 AAG Honorary Geographer

Over the last fifty years, the development of the computer modeling of the Earth's climate has led to major advances in our scientific understanding of both the natural and anthropogenic changes. The United States Global Change Research Program (USGCRP) developed from a White House meeting in 1990. This program now involves 17 agencies and has a budget of \$2.7 billion. Its thrust is a "comprehensive and integrated United States research program which will assist the Nation and the world to understand, assess, predict, and respond to human-induced and natural processes of global change". It is coordinated by both the White House Office of Science and Technology Policy (OSTP) and Office of Management and Budget (OMB). The program will "emphasize research that advances understanding of vulnerabilities in human and natural systems and their relationships to climate extremes, thresholds, and tipping points". The presentation will focus on the history and future development of these two major advances.

**2356. Territory, Politics, Governance Annual Lecture (Sponsored by
Regional Studies Association)**

Room: Grand Salon E, Marriott, Second Floor (Panel Session)
11:50 AM – 12:30 PM

ORGANIZER(S): Sally Hardy, Regional Studies Association

CHAIR(S): Martin Jones, University of Sheffield

Speaker: Michael Storper, London School of Economics

This presentation is the Annual Lecture for the Journal Territory, Politics, Governance which is owned by the Regional Studies Association (RSA). Further information about the Association and its funding activities are available from - www.regionalstudies.org. Professor Michael Storper, will present on 'Governing the Large Metropolis'

2366. AAG Specialty and Affinity Group Chairs Meeting

11:40 AM – 12:50 PM

Room: Florida Salon V, Marriott, Second Floor (Meeting Session)
(light lunch will be provided). A follow-on discussion session will be held in the same room from 12:40 p.m. - 2:20 p.m.

2367. AAG Department Chairs' Luncheon

Room: Florida Salon VI, Marriott, Second Floor (Meeting Session)
11:40 AM – 2:00 PM

The Department Chairs' Luncheon Meeting immediately follows the Department Chairs' Symposium. Chaired by AAG Vice President **Mona Domosh**, this meeting is open only to existing or incoming Department or Program Chairs. There is a \$35 registration fee to cover a meal during the Chairs' Luncheon Meeting. Please see the AAG Registration Desk, if you wish to sign-up to attend this event.

WEDNESDAY, APRIL 9 • 12:40 PM - 2:20 PM • 2400

- 2401. Historical Political Ecology 3: Knowledge, Technology, and Past Landscapes (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Historical Geography Specialty Group)**
Room: Room 1, TCC, First Floor (Paper Session)
 ORGANIZER(S): Martha Bell, Pennsylvania State University; Karl Zimmerer, Pennsylvania State University
 CHAIR(S): Martha Bell, Pennsylvania State University
12:40 Matthew C LaFavor*, The University of Texas at Austin, *Political Ecologies of Gunpowder Production in Colonial Latin America (1520-1820)*.
1:00 Karl Zimmerer*, Pennsylvania State University, *Historical Political Ecology of Landscape Knowledge Frameworks in Early Spanish Andean Colonialism*.
1:20 Brian Grabatin*, University of Kentucky, *"They Left Us Land": The Historical Political Ecology of Heirs' Property Coordination and Conflict in Coastal South Carolina*.
1:40 Gail Hollander*, Florida International University, *Colonial technologies in the "Magic City": an historical political ecology of Miami's socio-ecological vulnerabilities*.
 Discussant(s): Eric Carter, Macalester College
- 2403. Healthy Urban Living: an international perspective I (Sponsored by Urban Geography Specialty Group, Health and Medical Geography Specialty Group)**
Room: Room 3, TCC, First Floor (Paper Session)
 ORGANIZER(S): Martin Dijst; Mei-Po Kwan, University of Illinois at Urbana-Champaign
 CHAIR(S): Martin Dijst
12:40 Martin Dijst*, Utrecht University; Mei-Po Kwan, University of Illinois at Urbana-Champaign, *Healthy Urban Living: a current challenge for the future*.
1:00 Julia McQuoid, MSc*, University of New South Wales at Canberra, *Theorizing health activity performance through rhythm, practice and habit*.
1:20 Sara Grineski, PhD*, University of Texas at El Paso; Timothy Collins, PhD, University of Texas at El Paso; Young-an Kim, MA, University of California, Irvine, *Effects of individual-level acculturation and neighborhood ethnic enclaves on children's respiratory health*.
1:40 Marco Helbich*, Utrecht University; Martin Dijst, Utrecht University; Frank Pierik, TNO; Mei-Po Kwan, University of Illinois at Urbana-Champaign, *Do urban morphology and design stimulate physical activity?*.
2:00 Paula Negrón*, University of Montreal, *Mobility and active aging in Montreal's suburbs*.
- 2404. Interdisciplinary perspectives on the geographies of islands 3: topologies and topographies (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Room 4, TCC, First Floor (Paper Session)
 ORGANIZER(S): Elaine Stratford, University of Tasmania
 CHAIR(S): Elaine Stratford, University of Tasmania
 Introducer: Elaine Stratford
1:00 Marina Karides*, Florida Atlantic University, *Island Feminism: An Introduction*.
1:20 Katherine Genevieve Sammler, PhD Candidate*, University of Arizona, *The Deep Pacific: Island Governance and Seabed Mineral Development*.
1:40 Huei-Min Tsai*, National Taiwan Normal University, Taiwan; Eric Clark, Lund University, Sweden, *Island Commoning - Social practices for surviving eco-colonialism on Pongso no Tau (Orchid Island, Taiwan)*.
 Discussant(s): Jonathan Pugh, Newcastle University, UK
- 2405. Geographies of Mobility VI: Climate Change, Disaster and Resilience (Sponsored by Geographies of Climate Change, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Tim Schwanen, University of Oxford
 CHAIR(S): Tim Schwanen, University of Oxford
12:40 Mark Barnes*, Morgan State University, *Conceiving a Transportation Adaptation to Climate Change Research Agenda for Human Geography Subfields*.
1:00 Ian Philips*, University of Leeds, *Fuel shocks, resilience and exclusion from the mobility system: Results of a GIS based analysis*.
1:20 Weiqiang Lin*, Royal Holloway and National University of Singapore, *Aeromobilities and Climate Change: Geoeological Debates in Aviation*.
1:40 David Butz*, Brock University; Nancy Cook*, Brock University, *Infrastructure, Disaster and Mobility Justice in Gojal, Pakistan*.
 Discussant(s): Tim Schwanen, University of Oxford
- 2406. Governing urban diversity: New challenges for urban policy-I (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)**
Room: Room 6, TCC, First Floor (Paper Session)
 ORGANIZER(S): Tuna Tasan-Kok, TUDelft; Ron Vankempen, Utrecht University
 CHAIR(S): Tuna Tasan-Kok, TUDelft
 Introducer: Ron Vankempen
12:41 Tuna Tasan-Kok*, TUDelft; Mike Raco*, University College London, *Hyper-Diversity and new Challenges for Governance in Contemporary European Cities*.
12:58 Paola Briata*, Bartlett School of Planning - UCL, *"Super-diversity" at work: What can we learn from resistance to regeneration in East London?*.
1:15 Donya Ahmadi*, TU Delft; Anouk Tersteeg*, Utrecht University, *Evidencing diversity discourses in urban policy: Lessons from Rotterdam and Toronto*.
1:32 Camilla Perrone, Assistant Professor*, Department of Architecture - University of Florence, *DiverCity at stake under "planetary urbanization": Theoretical pitfalls and challenges*.
1:49 Thomas Doerfler*, University of Lueneburg, *The Governmentalization of Gentrification: a case study from Hamburg-Wilhelmsburg on the depriving aspects of diversity management*.
 Discussant(s): Ron Vankempen, Utrecht University
- 2407. Special session Retail & Leisure in Urban Geography and Urban Planning - I (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**
Room: Room 7, TCC, First Floor (Paper Session)
 ORGANIZER(S): Herman Kok, Multi Development
 CHAIR(S): Herman Kok, Multi Development
 Introducer: Herman Kok
12:45 Anna Marie Steigemann*, TU Berlin / CMS; Anna Marie Steigemann, Center for Metropolitan Studies, TU Berlin, *Shopping for Community?*.
1:05 Jennifer Gerend, Ph.D., AICP*, The Evergreen State College; Mathew Novak, Ph.D., Central Washington University, *Municipal Retail Planning*.
1:25 Barbara Hahn*, Wuerzburg University, *The failure of retail internationalization*.
1:45 Jeroen Cant*, University of Antwerp; Thomas Vanoutrive, Dr., University of Antwerp; Ann Verhetsel, Prof. Dr., University of Antwerp, *The Accessibility Of Food: Examining Food Deserts In Flanders*.
 Discussant(s): Jan Van Weese, University of Utrecht

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- 2408. Geographies of business, development and sustainability (Sponsored by Recreation, Tourism, and Sport Specialty Group, Development Geographies Specialty Group)**
Room: Room 8, TCC, First Floor (Paper Session)
 ORGANIZER(S): Regina Scheyvens, Massey University; Tim Coles, University of Exeter
 CHAIR(S): Tim Coles, University of Exeter
12:40 Regina Scheyvens*, Massey University; Glenn Adrian Banks, Massey University; Anthony Bebbington, Clark University; Sharon McLennan, Massey University; Emma Hughes, Massey University; Emma Richardson, Massey University; Emma Richardson, Massey University, *Can corporations do community development? An examination of the mining and tourism industries in the Pacific.*
1:00 Ceit Elisabeth Wilson*, Centre for Social Responsibility in Mining (CSR); Tiffany Morrison, Dr (PhD), School of Geography, Planning and Environmental Management, The University of Queensland, *The role of private corporations in regional planning and development: 'capturing' the regional development agenda.*
1:20 Tadesse Kidane-Mariam*, Edinboro University of Pennsylvania, *Ethiopia: Opportunities and Challenges of Tourism Development in the Upper rift valley corridor.*
1:40 Tim Coles*, University of Exeter, *Responsibility, recession and restructuring: the changing perceptions of low-fares airlines flying to peripheral regions of the UK..*
- 2409. FQG: Race, Biopolitics, and the Future I (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group, Racism and Violence)**
Room: Room 9, TCC, First Floor (Paper Session)
 ORGANIZER(S): Sara H. H. Smith, University of North Carolina; Pavithra Vasudevan, University of North Carolina, Chapel Hill
 CHAIR(S): Pavithra Vasudevan, University of North Carolina, Chapel Hill
 Introducer: Pavithra Vasudevan
12:45 Kristin Sziarto*, University of Wisconsin-Milwaukee, *Race-Biopolitics in the Black Infant Mortality Reduction Campaigns in Milwaukee.*
1:05 Shiloh Krupar*, Georgetown University, *Target: Medical Hot Spotting and Racialized Geo-body-politics.*
1:25 Sean Wang*, Syracuse University, *Fetal citizens? A more-than-human social geography of Chinese birth tourism in Southern California.*
 Discussant(s): Laura Liu, The New School
- 2410. alt.conference on Big Data: Lightning Panels (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Communication Geography Specialty Group)**
Room: Room 10, TCC, First Floor (Panel Session)
 ORGANIZER(S): Josef Eckert, University of Washington; Andrew Shears, University of Wisconsin-Fox Valley
 CHAIR(S): Jim Thatcher, Clark University
 Introducer: Josef Eckert
 Discussant(s): Jen Jack Giesekeing, Bowdoin College; Ryan Burns, University of Washington
 Panelists: Jessica Lingel, Microsoft Research; Sophia B. Liu, United States Geological Survey; Peter A. Johnson, University of Waterloo; Sam Stehle, Penn State University; Aron Sandell, UNC Chapel Hill; Muning Wang, University of Washington; Nancy Milholland, USC; Jungyeop Shin; Megan Finn, Microsoft Research; Jessica Breen, University of Kentucky; Barbara Poore, United States Geological Survey; Michael Martin Evans, Simon Fraser University; Jin-
- Kyu Jung, University of Washington-Bothell
- 2411. Gullah/Geechee-Disya Who WEBE: Indigenous Identity and the Sea Islands (IPSG Annual Plenary Speaker) (Sponsored by Rural Geography Specialty Group, Africa Specialty Group, Indigenous Peoples Specialty Group)**
Room: Room 11, TCC, First Floor (Panel Session)
 ORGANIZER(S): Julianne Hazlewood, Trent-in-Ecuador, Trent University; Annette Watson, College of Charleston
 CHAIR(S): Annette Watson, College of Charleston
12:40 Queen Quet Marquette Goodwin, Gullah/Geechee Nation; Gullah/Geechee Sea Island Coalition
- 2412. Spatiotemporal Thinking, Computing and Applications 7: Public Health (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
Room: Room 12, TCC, First Floor (Paper Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Keith C. Clarke, University Of California, Santa Barbara; Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Weihe Wendy Guan, Harvard University
12:40 Liang Mao*, University of Florida, *Are social-distancing strategies cost-effective in controlling flu epidemics?.*
1:00 Yiqing Shang*, Geography Department, University of Iowa; Liping Long, Mississippi State University; Xiu-Feng Wan, Mississippi State University; Margaret Carrel, University of Iowa, *Spatiotemporal Analysis of Phylogeographic patterns of H1N1 in China 2009-2010.*
1:20 Blake Byron Walker*, Simon Fraser University; Ajit Auluck, British Columbia Cancer Agency; Miriam Rosin, British Columbia Cancer Agency; Nadine Schuurman, Simon Fraser University, *Spatial-temporal analysis for investigating variations in head/neck cancer sites and access to treatment centres in British Columbia, Canada.*
1:40 Cory Morin*, University of Arizona, *Modeled Impacts of Climate Variability and Projected Climate Change on Dengue Virus Transmission in San Juan, Puerto Rico.*
- 2414. The Future of Locational Intelligence: Facilitating Student/Career Transitions (Sponsored by Jobs and Careers, Business Geography Specialty Group)**
Room: Room 14, TCC, First Floor (Panel Session)
 ORGANIZER(S): Murray D Rice, University of North Texas; Tony Hernandez, Ryerson University
 CHAIR(S): Murray D Rice, University of North Texas
 Panelists: Tony Hernandez, Ryerson University; James Wooten; Lawrence Joseph, Arizona State University; Linda A. Peters, Esri
- 2415. Geoarchaeology and Stone Assessment (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)**
Room: Room 15, TCC, First Floor (Paper Session)
 ORGANIZER(S): Casey D Allen, University of Colorado - Denver; Gregory Pope, Montclair State University; Timothy Beach, Georgetown University
 CHAIR(S): Casey D Allen, University of Colorado - Denver
12:40 Kaelin M. Groom*, University of Arkansas, *Assessing Environmental Influences on Dressed Stone Decay via Tafoni Development on Hewn Djinn Block X in Petra, Jordan.*
1:00 Gregory A Pope, Ph.D.*, Montclair State University, Earth & Env. Studies & Center for Heritage and Archaeological Studies; Deborah Chatr Aryamontri, Ph.D., Montclair State University, Classics & Gen. Humanities and Center for Heritage & Archaeological Studies; Laying Wu, Ph.D., Montclair State University,

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Microscopy & Microanalysis Research Laboratory; Timothy Renner, Ph.D., Montclair State University, Classics & Gen. Humanities and Center for Heritage and Archaeological Studies, *Glass tile composition and deterioration in the soil, Roman Imperial Villa of the Antonines.*

1:20 Tawny Tibbits*, University of Iowa, *Assessing Portable X-Ray Fluorescence for Sourcing Granite Ground Stone Artifacts from the Maya Mountains, Belize.*

1:40 Niccole V. Cervený, PhD*, Mesa Community College; William Reitze, Petrified Forest National Park; Jonny Malloy, Arizona State University; Janet McFaul, Arizona State University; Randall S. Cervený, PhD, Arizona State University, *At the junction between weather and weathering: how precipitation and temperature impact conservation of the rock art at Lacey Point in the Petrified Forest National Park, Arizona.*

2:00 Casey D Allen*, University of Colorado - Denver, *Using The Rock Art Stability Index to Assess Grenada's Carib Stones.*

2416. Climate Change and Indigenous People (Part 2): Adaptations and Resilience (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Indigenous Peoples Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): RDK Herman, National Museum of the American Indian

12:40 Mark D Green, PhD*, Indiana State University, *Site Selection, Abandonment, and Reuse as a Proxy for Reconstructing Past Climate: A Case Study Using Early Bronze Age Settlement in Central Jordan.*

1:00 Yue Dou*, University of Waterloo; Peter Deadman, University of Waterloo; Oriana Almeida, Universidade Federal do Pará; Sergio Rivero, Universidade Federal do Pará; Nathan Vogt, National Institute of Space Research, *Government benefits and the resilience of household livelihood strategies in the Amazon estuary region, Brazil.*

1:20 Ubong E Harrison, PhD in View*, University of Calabar; Francis Ebuta Bisong, PhD, University of Calabar, *Farm-Level Adaptation To Climate Change In South Eastern Nigeria.*

2417. Locating Ashkenaz

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): David Neal Miller, The Ohio State University

CHAIR(S): David Neal Miller, The Ohio State University

12:40 Monica N. Hamblet*, The Ohio State University, *Di Naye Heym: The Power of "Place" in American Yiddish Literature.*

1:00 David Neal Miller*, The Ohio State University, *Unnaming the Homeland.*

2418. Networks of environmental governance 1 (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Energy and Environment Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Deborah Cheng, UCLA; Anita Milman, University of Massachusetts

CHAIR(S): Anita Milman, University of Massachusetts

12:40 Brian Chaffin*, Oregon State University, *Institutionalizing Adaptive Governance through Informal Networks: The Case of the Klamath Basin Restoration Agreements.*

1:00 Cleo Woelfle-Erskine*, Energy and Resources Group, *Friction and entanglements in governance of salmon streams.*

1:20 Robin Roth, PhD*, York University, *Rooted Networks of Conservation-Induced Livelihood Change.*

1:40 A Paige Fischer, Dr.*, US Forest Service; Ken Vance-Borland, Oregon State University; Kerry Grimm, Dr., Oregon State University, *Understanding capacity to adapt to environmental change in governance networks: A case from the fire-prone forested landscape of Central Oregon.*

2419. Mixed Methods and Hybrid Epistemologies in Climate Change Research III (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Jeff Popke, East Carolina University; Morey Burnham

CHAIR(S): Morey Burnham

12:40 Pamela McElwee, Ph.D.*, Rutgers, The State University of New Jersey, *The Ontological Politics of REDD: Turning Trees into Carbon and Land Managers into Service Providers in Vietnam.*

1:00 Sophie Webber*, University of British Columbia; Jessica Lehman, University of Minnesota, *Hybrid epistemologies and multiplicities in climate change research? Some preliminary reflections from the field.*

1:20 Dean Hardy*, Geography, UGA, *Accepting Complexity and Embracing Epistemological Pluralism: Situating Social-Ecological Vulnerabilities to Sea-Level Rise.*

1:40 Paulette Blanchard*, University of Oklahoma Geography & Environmental Sustainability; Laurel Smith, Phd, University of Oklahoma Geography & Environmental Sustainability; Renee McPherson, Phd, University of Oklahoma Geography & Environmental Sustainability, *Visualizing Climate Change through the Lens of Indigenous Geographies.*

2:00 Daniel Aldana Cohen, PhD Candidate*, NYU, *Beyond Metonymia: A Social Backcast Approach to Urban Climate Politics.*

2420. Symposium on Synergistic Advances of CyberGIS and Geography: CyberGIS Body of Knowledge (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Panel Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Michael F. Goodchild, University of California - Santa Barbara; David DiBiase, Esri

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

Discussant(s): Chaowei Yang, George Mason University; David DiBiase, Esri; Sean Ahearn, Hunter College - City University; Michael F. Goodchild, University of California - Santa Barbara

Panelists: John Wilson, University Of Southern California

2421. cultural geographies annual lecture (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): Tim Cresswell, Royal Holloway, University of London; Dydia DeLyser, Louisiana State University; John Wylie, University of Exeter

CHAIR(S): Tim Cresswell, Royal Holloway, University of London

12:40 Becky Mansfield*, The Ohio State University, *Epigenetic life: biological plasticity, abnormality, and new configurations of race and gender.*

Introducer: John Wylie

WEDNESDAY, APRIL 9 • 12:40 PM - 2:20 PM • 2400**2422. Routes and Rootedness in sacred landscapes (1) (Sponsored by Geography of Religions and Belief Systems Specialty Group)****Room:** Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Richard Scriven, University College Cork; David J Butler, Department of Geography, University College Cork (UCC)

CHAIR(S): David J Butler, Department of Geography, University College Cork (UCC)

12:40 Alyson Greiner*, Oklahoma State University, *Sacred Space and Globalization: Constructing an Intellectual History*.**1:00** Ruben Camilo Lois-González, USC; Xose Santos*, USC, *New and old pilgrims on the Camino de Santiago*.**1:10** Rubén C. Lois-González*, USC; Xose Santos, USC, *New and old pilgrims on the Camino de Santiago*.**1:20** Richard Scriven*, University College Cork, *The Emergence of Liminality: Pilgrims, place and practices at Lough Derg, Ireland*.

ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University

CHAIR(S): Emma Gaalaas Mullaney, The Pennsylvania State University

12:40 Jason Luger*, King's College London / National University of Singapore, *A strange coalition / an ambiguous victory: The case of Singapore's Bukit Brown Cemetery*.**1:00** Alexander Tarr*, UC Berkeley Geography, *Get Off My Lawn: A Critical Analysis of the Fight for Front Yards as Productive, Public Urban Space*.**1:20** Olivia Williams*, Florida State University Dept of Geography, *Community land trusts: subversive or affirmative of urban power relations?*.**1:40** Thor Ritz*, Syracuse University, *Landscapes of Marronage: the Saint Malô Maroons and Strategies of Flight and Resistance in Colonial Louisiana*.

Discussant(s): Dianne E Rocheleau, Clark University

2423. Geographies of Change: Geographic Contributions to the Third National Climate Assessment (Part 1) (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)**Room:** Room 23, TCC, First Floor (Panel Session)

ORGANIZER(S): Susanne C. Moser, Susanne Moser Research & Consulting

CHAIR(S): Susanne C. Moser, Susanne Moser Research & Consulting

Introducer: Emily T Cloyd

Panelists: Julie Winkler, Michigan State University; Bob Kates, Independent Scholar; Susanne C. Moser, Susanne Moser Research & Consulting; Thomas Wilbanks, Oak Ridge National Laboratory; Michael Kuby, Arizona State University

2429. Geography and Militarism**Room:** Ballroom D, TCC, First Floor (Panel Session)

ORGANIZER(S): Eric S. Sheppard, UCLA; James Tyner, Kent State University

CHAIR(S): Eric S. Sheppard, UCLA

Discussant(s): Trevor Barnes, University Of British Columbia; James Tyner, Kent State University; Ruth Wilson Gilmore, Graduate Center, City University of New York; Jeremy Crampton, University of Kentucky; Sara Koopman, Balsillie School, Wilfrid Laurier University; Francis A. Galgano, Villanova University

2424. Practicing Geography through Engaged Scholarship I: Undergraduate Research and Problem-Based Learning (Sponsored by Jobs and Careers)**Room:** Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): JoAnn (Jodi) Vender, Pennsylvania State Univ

CHAIR(S): JoAnn (Jodi) Vender, Pennsylvania State Univ

12:40 Yanni Cao*, Department of Geography, The Pennsylvania State University; Rachel Isaacs, Department of Geography, The Pennsylvania State University, *Denali National Park and Preserve, Alaska Land Cover Change Project: 1953-2005*.**12:45** William Coughlin*, Penn State, *Baltimore Food Deserts*.**12:50** Ryan Gallagher*, Penn State, *Location For A Nature Park In Luzerne County*.**12:55** Amanda Gorman*, Penn State University, *Synoptic Climatology of Northeast U.S. Snowstorms*.**1:00** Shannon Grumbly*, Pennsylvania State University, *Mapping Social Vulnerability to Flooding: A Case Study of Iowa*.**1:05** Courtney C. Jackson*, Penn State University, *Impacts of Urban Expansion on the 2012 Flooding Event in Duluth, MN*.**1:10** Maggie Jordan*, *The Impacts of Climate Change on Coral Reefs*.**1:15** Rachel Passmore*, Penn State University, *Food Access Comparison: United States and Japan*.**1:20** Michael Sutherland*, *The City of Sutherland: An experiment in creating the perfect city*.**2430. Ocean and Coastal Climatology & Meteorology (Sponsored by Coastal and Marine Specialty Group)****Room:** Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Thomas Allen, East Carolina University; Robbie Munroe, East Carolina University - Costal Resource Management

CHAIR(S): Robbie Munroe, East Carolina University - Costal Resource Management

12:40 Michelle Howard*, University of Idaho; Karen Humes, University of Idaho; John Abatzoglou, University of Idaho; Crystal Kolden, University of Idaho; Christine Moffitt, University of Idaho, *Fine-scale departures from global sea surface temperature trends using 28 year AVHRR Pathfinder data*.**1:00** Caroline G Staub*, University of Florida, *The Influence of Pacific and Indian Ocean sea surface temperatures on monthly rainfall in Mauritius*.**1:20** Jeffrey Hardy*, East Stroudsburg University, *A Climatology of Extratropical Storms affecting the U.S. Gulf Coast*.**1:40** Janice M Maldonado Jaime*, Mississippi State University, *Sea breeze Frequency and Patterns along the U.S. Gulf Coast*.**2:00** Robbie Munroe, PhD Student*, East Carolina University - Costal Resource Management, *Coastal Storm Climatology and Storm Surge: Duck, North Carolina*.**2431. The Current State of Migration in Europe 2 (Sponsored by Russian, Central Eurasian, and East European Specialty Group, European Specialty Group)****Room:** Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Stephanie Wilbrand, University of Wisconsin - Madison; Kara Dempsey, DePaul University

CHAIR(S): Joerg Schoder, Salzburg University

12:40 Dragos Simandan, Professor*, Brock University, *International migration and the problematic of wisdom*.**1:00** Annette Spellerberg*, University of Kaiserslautern, *Cosmopolitanism in an ordinary German city*.**1:20** Nik Lomax*, School of Geography, University of Leeds; John Stillwell, School of Geography, University of Leeds; Paul Norman, School of Geography, University**2426. FQG Rebel Landscapes III: Illegible Spaces (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)****Room:** Ballroom A, TCC, First Floor (Paper Session)

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of Leeds; Phil Rees, School of Geography, University of Leeds, *Changing Intensities and Patterns of Internal Migration in the United Kingdom in the First Decade of the 21st Century*.

- 1:40** Rita Schneider-Sliwa, University of Basel / Department of Environmental Sciences / Geography / Urban and Regional Studies; Claudia Saalfrank*, University of Basel / Department of Environmental Sciences / Geography / Urban and Regional Studies, *International Professionals in Basel - Integration and Image of Basel, Switzerland*.

- 2:00** Jörg F. E. Schoder, Dr.*, Salzburg University, *Migration patterns and migrant well-being in Europe*.

2432. 2014 Student Honors Paper Competition I (Sponsored by Remote Sensing Specialty Group)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Lindsay Deel, West Virginia University

CHAIR(S): Lindsay Deel, West Virginia University

- 12:40** Lucy K Tetteh*, MSU; Lucy Korlekwor Tetteh, Mississippi State University; Shrinidhi Ambinakudige, Mississippi State University, *A Multi-Decadal Remote Sensing Study On Glacial Change In The North Patagonia*.

- 1:00** Chao Fan*, Arizona State University; Soe Myint, Arizona State University, *A Comparison of Spatial Autocorrelation Indices and Landscape Metrics in Measuring Urban Landscape Fragmentation*.

- 1:20** Yanlei Chen*, University of California, Berkeley, *BITE: An algorithm for mapping chronic forest disturbances caused by mountain pine beetles with Landsat TM image stacks*.

- 1:40** Weibo Liu*, Department of Geography, University of Kansas; Johannes Feddema, Department of Geography, University of Kansas, *Seasonal and Diurnal Characteristics of Land Surface Temperature and Major Explanatory Factors in Harris County, Texas*.

- 2:00** Ran Meng*, Department of Geography, University of Utah; Philip E. Denison, University of Utah, *Spectroscopic analysis of green, desiccated and dead tamarisk leaves*.

Discussant(s): Timothy A Warner, West Virginia University; Yuhong He, University of Toronto Mississauga; Michaela Buenemann, New Mexico State University

2433. Transportaion and Tourism

Room: Room 33, TCC, Fourth Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Erik Irtenkauf, PSU

- 12:40** Regina Obilie Amoako-Sakyi*, University of Cape Coast; Stephen Anokye, Ghana National Road Safety Commission, *Road traffic accidents in Ghana: An assessment of Pedestrian action before impact*.

- 12:45** Runing Ye*, University College London; Helena Titheridge, University College London, *Individuals' commuting trips and subjective well-being - Evidence from China*.

- 12:50** Wook Lee*, Edinboro University of PA, *Travel behavior with different purposes in mind*.

- 12:55** Ravindra Gahinath Jaybhaye*, Department of Geography, University of Pune, *Tourism carrying capacity assessment of Gulmarg biosphere reserve for sustainable tourism development*.

- 1:00** Noah Mueller*, University of Florida, *Why Tourism is Not Addressing Climate Change: A Case from the Caribbean*.

- 1:05** Erik Irtenkauf, Master of GIS Candidate*, The Pennsylvania State University, *Analyzing Tobler's Hiking Function and Naismith's Rule Using Crowd-Sourced GPS Data*.

- 1:10** Achal Singh*, *Problems and Prospects of Rural Tourism in Rajasthan, India*.

- 1:15** Adam Davidson, MCP*, CUNY Graduate Center, *Information as Infrastructure - The influence of ICTs on transportation behavior*.

2434. Drought and Soil

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yanfen Le, Northwest Missouri State University

- 12:40** Qian Fan*, University of South Carolina, *A Research on Drought Monitoring Based on FY-2C Time-series Data*.

- 1:00** Salvatore Engel-DiMauro*, SUNY New Paltz, *Acid Neutralising Capacity (ANC) Decline without Significant pH Change in Farmed Soils of the Drava Floodplain*.

- 1:20** Tongxin Zhu*, University of Minnesota; Xiaoping Wang, Shanxi Institute of Soil and Water Conservation; Siping Liu, Shanxi Institute of Soil and Water Conservation, *Evaluation of Slope Effects on Soil Loss under Various Frequencies of Storms in a Semi-arid Hilly Loess Region of China*.

- 1:40** Jacob DeGayner, Northwest Missouri State University; Yanfen Le*, Northwest Missouri State University, *Mapping Soil Loss in Bowie National Historic Site Using Close Range Photogrammetry*.

- 2:00** Patrick Barrineau*, Chris Houser, Ph.D., Texas A&M University; Brad Weymer, Texas A&M University; Michael Bishop, Ph.D., Texas A&M University; Mark Everett, Ph.D., Texas A&M University; Vatche Tchakerian, Ph.D., Texas A&M University, *Characterizing Holocene Evolution of the South Texas Sand Sheet: Climate and Geologic Framework*.

2435. Critical Himalaya: International Development, Politics, and Investment in High Asia (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Galen Murton, University of Colorado,

Boulder; Dinesh Paudel, University of Minnesota

CHAIR(S): Galen Murton, University of Colorado, Boulder

Introducer: Galen Murton

Discussant(s): Dinesh Paudel, University of Minnesota; Shaunna Barnhart; Matt Branch, Pennsylvania State University

2436. Reversing Neoliberalization? Opportunities and Challenges of Housing in Globalizing Asia

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Yi-ling Chen, University of Wyoming;

Hyunjeong Lee, Kyung Hee University; Jun Wang, City University of Hong Kong

CHAIR(S): Yi-ling Chen, University of Wyoming

- 12:40** Sarah Tynen*, University of Colorado, *(In)Visible Boundaries: The Negotiation of Urban Citizenship in the Uneven Housing Development of Nanjing*.

- 1:00** Hyunjeong Lee*, Kyung Hee University, *Globalization and its impacts on housing pathways of Korean households*.

- 1:20** Yi-ling Chen*, University of Wyoming, *Reoccupy the state: The future of housing policies in Taiwan*.

- 1:40** Daniel You-Ren Yang*, Department of Sociology, Tunghai University, *From chengzhongcun redevelopment to urban renewal: The institutionalization of Shenzhen's urban redevelopment regime*.

Discussant(s): Dallas Rogers, University of Western Sydney

2437. Geographical Research on the Fracking Frontier: Understanding the social and environmental dimensions of developing shale fossil fuels (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Room 37, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Dustin Mulvaney, San Jose State University; Elvin Delgado, Central Washington University

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Introducer: Dustin Mulvaney

Panelists: Jennifer Baka, Yale; Elvin Delgado, Central Washington University; Sarah T. Romano, University of Northern Colorado; Carlo Sica; John G Hintz, Bloomsburg University of Pennsylvania; Julia Haggerty, Montana State Univ

2439. Geosimulation Models 2: Applications - Micro to Macro (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Suzana Dragicevic, Simon Fraser University; Andrew Crooks, George Mason University; Paul Torrens, University of Maryland

CHAIR(S): Paul Torrens, University of Maryland

12:40 Sara Metcalf*, University at Buffalo (SUNY), *Agent-Based System Dynamics: Hybrid Modeling of Urban Health Problems.*

1:00 Andrew Crooks*, George Mason University; Parth Chopra, Thomas Jefferson High School for Science and Technology, *An Agent-based Model for the Spread and Containment of Tuberculosis.*

1:20 Nicholas Magliocca, Ph.D.*, National Socio-Environmental Synthesis Center; Margaret Walls, Ph.D., Resources for the Future; Virginia McConnell, Ph.D., University of Maryland Baltimore County, Resources for the Future, *Investigating the effects of repeated storms and 'near misses' on adaptation responses to coastal hazards.*

1:40 William G Kennedy, PhD*, George Mason University, *An Abstract Approach to Modeling Disasters in Geosimulation Models.*

2:00 Majeed Pooyandeh*, The University of Calgary; Danielle J Marceau, The University of Calgary, *Incorporating Bayesian learning in agent-based simulation of stakeholders' negotiation.*

2440. Geographical Histories (Sponsored by History of Geography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Dorothy Sack, Ohio University

CHAIR(S): Frederick Nelson, University of Delaware

12:40 Harley Jesse Walker*, Louisiana State University; Rachel Bourdeau, Louisiana State University; Tracy Rathbun, Southeastern Louisiana University; Molly McGraw, Southeastern Louisiana University, *Evelyn Pruitt and her Grandfather's Sea Chest.*

1:00 Jason Grek-Martin*, Saint Mary's University, *Government Science on Trial: The Geographic Contours of the Practical Science Debate in Late Victorian Canada.*

1:20 Kenneth A. Barrick*, University of Alaska Fairbanks, *Linking Art and Leadership in the Establishment of Grand Teton National Park: Harrison R. Crandall and Horace M. Albright..*

1:40 Bruce Stephenson, PhD*, Rollins College, *John Nolen and the Origins of Urban Sustainability in Florida.*

2441. All Physical Geography Considered (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: West Hall, TCC, Third Floor (Poster Session)

ORGANIZER(S): Stockton Maxwell, Radford University

CHAIR(S): Stockton Maxwell, Radford University

Joy Nystrom Mast, Ph.D.*, Carthage College; Melissa Savage, Ph.D., University of California - Los Angeles; Johannes J. Feddema, Ph.D., University of Kansas, *Double whammy: high-severity fire and drought in ponderosa pine forests of the Southwest.*

Arvind A.R. Bhuta, PhD*, Department of Forestry and Natural Resources, Clemson University; G. Geoff Wang, PhD, Department of Forestry and Natural Resources,

Clemson University; Joan L. Walker, PhD, U.S. Forest Service, Southern Research Station., *Variation in radial growth of three southern yellow pines due to topography across a Coastal Plain forest-matrix on military lands.*

Sarah Jones Wayman*, The University of Tennessee, Knoxville; Henri D. Grissino-Mayer, The University of Tennessee, Knoxville, *Disturbance Impacts on Stand Dynamics of the Pygmy Forest, El Malpais National Monument, New Mexico, U.S.A..*

Robert Shepard*, University of Arizona; Kevin Anchukaitis, Woods Hole Oceanographic Institution; Scott Allen, Louisiana State University; Becky Brice, University of Arizona; Nathan English, James Cook University; Xiaolu Li, University of Minnesota; Cameron McIntire, University of New Hampshire; James Metz, United States Military Academy at West Point; Kayla Pendergrass, University of Southern Mississippi; Karma Tenzin, Lamont-Doherty Earth Observatory; Matthew Vadeboncoeur, University of New Hampshire, *Climatic response of early- and latewood in pitch pine (Pinus rigida Mill.) from the Hudson Highlands, New York.*

Tessa Montini*, University of Delaware; Michael A O'Neal, University of Delaware; Brian Hanson, University of Delaware, *Relating tree-ring records to climate variability near Easton Glacier, Washington, USA.*

Steven Labarge*, University of Wisconsin-Platteville; Evan R Larson, Ph.D., University of Wisconsin-Platteville; Bengt-Gunnar Jonsson, Ph.D., Mid Sweden University, Sundsvall, *Developing moisture-sensitive tree-ring chronologies from shingle field Scots pine communities in the Swedish High Coast.*

Rebecca Brice*, University of Arizona; Connie A. Woodhouse, University of Arizona; Michael A. Crimmins, University of Arizona, *Trees as drought impact recorders in the tribal lands of the Four Corners, USA.*

Jordan Thomson*, Union College; Anouk Verheyden, Union College; David P. Gillikin, Union College, *High-resolution oxygen and carbon isotope profiles in Loblolly Pine tree rings as a proxy for hurricane reconstruction along the East-coast of the US..*

Justin Maxwell*, Indiana University; Grant L Harley, PhD, University of Southern Mississippi; Trevis J Matheus, Indiana University, *Dendroclimatic reconstructions from multiple co-occurring species: a case study from an old-growth deciduous forest in Indiana, USA.*

David W Carr*, Southwest Florida Water Management District; Malcolm K. Cleaveland, Ph. D., University of Arkansas, Dept. of Geosciences Tree-Ring Laboratory, *A 485-year Streamflow Reconstruction of the Withlacoochee River in Central Florida, USA, Using a Taxodium distichum Tree-Ring Chronology..*

Maegen Rochner*, University of Tennessee Knoxville; Henri D Grissino-Mayer, University of Tennessee, *Reconstruction of Debris Slides Using Dendrogeomorphic Methods, Mt. Le Conte, Great Smoky Mountains National Park, Tennessee, USA.*

Allison LeBlanc*, Virginia Tech; Lisa Kennedy, Virginia Tech; Michael Burn, The University of the West Indies; Allison Bain, Université Laval; Sophia Perdikaris, Brooklyn College, *A late-Holocene vegetation, fire, and environmental history from Freshwater Pond, Barbuda, Lesser Antilles.*

Fenggui Liu*, Qinghai Normal University, *A dramatic climatic transition at ~4000 cal.yr BP and its cultural responses in Chinese cultural domains.*

Sarah Marie Schmid Chand*, University of Nevada, Reno, *Modeling Plant-Environment Interactions In The Mojave Desert: A Species-Specific Approach.*

Paul A Lemieux III*, University of Tennessee - Knoxville;

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- Matthew J. Valente, University of Tennessee; Sally P. Horn, University of Tennessee; Zheng-Hua Li, NASA Marshall Space Flight Center; Steven G. Driese, Baylor University, *Pollen in Stalagmites and Flowstones from Caves in the Eastern U.S.*
- Rachael Lubitz*, Virginia Tech; Lisa M Kennedy, PhD, Virginia Tech; Stephen Culver, PhD, Eastern Carolina University; Kam-Biu Liu, PhD, Louisiana State University, *A foraminiferal record of environmental change at Laguna Limon, Dominican Republic.*
- Justin Hart*, University of Alabama; Merrit Cowden, University of Alabama; Scott Torreano, University of the South; Patrick Vestal, University of the South, *Disturbance and Structural Development of an Upland Hardwood Forest: Implications for the Restoration of Late-successional Structure.*
- Merrit M. Cowden*, University of Alabama; Justin L. Hart, University of Alabama; Callie J. Schweitzer, USDA Forest Service; Daniel C. Dey, USDA Forest Service, *The effects of intermediate-scale disturbance on composition, biodiversity, and light regimes in a Quercus alba forest.*
- Thomas A. Weber*, University of Alabama; Justin L. Hart, University of Alabama; Callie J. Schweitzer, USDA Forest Service; Daniel C. Dey, USDA Forest Service, *Influence of Gap-Phase Disturbance on Development and Succession in a Southern Appalachian Pine-Hardwood Forest.*
- Stephen D White*, University of Alabama; Justin L Hart, University of Alabama; Callie J Schweitzer, USDA Forest Service; Daniel C Dey, USDA Forest Service, *Intermediate-scale Wind Disturbance Affecting the Development of Quercus alba Forests.*
- Jessika Carlstrom*, Regis University; Christopher Gentry, Austin Peay State University; Dario Martin-Benito, Lamont-Doherty Earth Observatory of Columbia University; Johanna Hallmann, Ernst-Moritz-Arndt-University Greifswald; Grace Porter, Murray State University; David Ray, The Nature Conservancy; Neil Thompson, University of Northern British Columbia, *A dendroecological analysis of disturbances in an old-growth forest in central New York..*
- Nicholas Baldwin, Edinboro University of Pennsylvania; Ottavio Borgia, Edinboro University of Pennsylvania; Ryan Hnida, Edinboro University of Pennsylvania; Richard Kirby, Edinboro University of Pennsylvania; Melissa Normandeau, Edinboro University of Pennsylvania; Thomas Norway, Edinboro University of Pennsylvania; Andrea Pace, Edinboro University of Pennsylvania; Alyssa Piper, Edinboro University of Pennsylvania; Michael Ritner, Edinboro University of Pennsylvania; Philip Schreiber, Edinboro University of Pennsylvania; Allison Swan, Edinboro University of Pennsylvania; Karen S. Eisenhart*, Edinboro University of Pennsylvania, *Land Use Change and Current Forest Structure at Howard Falls Land Trust in Northwestern Pennsylvania.*
- Joshua Kincaid*, Shenandoah University, *Disjunct white cedar (Thuja occidentalis) forests in the Shenandoah Valley, Virginia.*
- Nathan S Gill*, Clark University, *Compounded disturbance and regeneration in Routt National Forest, Colorado.*
- Emily Bukowski*, Syracuse University, *Nonnative and Invasive Tree Populations in Urban Environments.*
- Rachel M. Cavin*, Department of Geography, Texas State University; David R. Butler, Department of Geography, Texas State University; Richard W. Dixon, Department of Geography, Texas State University, *Beaver Dam Morphology in Northern New Mexico.*
- Robin Blomdin, MSc*, Purdue University; Jakob Heyman, Dr, Stockholm University; Arjen P Stroeven, Prof, Stockholm University; Clas Hättestrand, Prof, Stockholm University; Jonathan M Harbor, Prof, Stockholm University, Purdue University; Natacha Gribenski, MSc, Stockholm University, *Glacial geomorphological map of the Altai and western Sayan mountains, Central Asia.*
- Kim A. Mobley*, University of Michigan, Dearborn; Jacob A. Napieralski, University of Michigan, Dearborn, *Building Baselines: Streambank and Channel Erosion in the Lower Rouge River.*
- Miguel W. Loubriel*, University of Puerto Rico at Mayaguez; Liana M. Agrios, Lafayette College; Salvatore Zerbo III, Montclair State University; Gregory A. Pope, Dr., Montclair State University; Joshua C. Galster, Dr., Montclair State University; Meiyin S. Wu, Dr., Montclair State University, *Landform variation and soil development from Late Quaternary deposits, Northwest New Jersey, USA.*
- Susan Morrell, Georgia State University; Leslie Edwards, Dr.*, Georgia State University, *A Comparison of Vegetation Composition in Urban and Rural Floodplains Following Removal of Chinese Privet (Ligustrum sinense).*
- Matthew Vaughan*, Virginia Tech; Arvind Bhuta, Department of Forestry and Natural Resources, *Mapping Carolina Hemlock Communities.*
- Andrew Evans*, Texas A&M University; Richard Odom, Virginia Polytechnic Institute and State University; Lynn Resler, Ph. D, Virginia Polytechnic Institute and State University; W. Mark Ford, Ph. D, U.S. Geological Survey, Virginia Cooperative Fish and Wildlife Research Unit; Steve Prisley, Ph. D, Virginia Polytechnic Institute and State University, *Developing a topographic model to predict the northern hardwood forest type within Carolina Northern Flying Squirrel (Glaucomys sabrinus coloratus) recovery areas of the Southern Appalachians.*
- Erika Y Chin*, University of South Carolina, *Soil Fertility in the Presence of Garlic Mustard (Alliaria petiolata).*
- Clayton J. Whitesides*, Coastal Carolina University, *Conifer germination in soils disturbed by small mammals.*
- Yu Hai Yang*, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Weihong Li, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Chengang Zhu, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Jianxin Ma, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Response of Populus euphratica seedling to soil water deficit in extreme arid area.*
- Darryl Carlyle-Moses, PhD*, Thompson Rivers University; Julie T Schooling, M.Sc., Thompson Rivers University, *Stemflow Production by Deciduous Trees in an Urban Park.*
- Mansour M Elbabour*, Benghazi University; Esam O Abdulsamad, Benghazi University, *Evaluating wetlands along the Libyan Mediterranean coastline.*
- Christopher Petrucci*, University of Missouri; Grant Elliott, University of Missouri, *Climate and upper treeline dynamics in the northern Rocky Mountains, USA.*
- 2452. Author Meets Critics: Corporate Sovereignty: Law and Government under Capitalism**
- Room:** Grand Salon A, Marriott, Second Floor (Panel Session)
- ORGANIZER(S):** Kate Derickson, University of Minnesota; Jennifer Rice, The University of Georgia
- Discussant(s):** Kendra Strauss, University of Cambridge
- Panelists:** Joshua Barkan, University of Georgia; George

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Henderson, University Of Minnesota; Mona Domosh, Dartmouth College; Marion Werner, University at Buffalo, SUNY; Ray Hudson, Durham University

2454. Rescaled environmental governance: beyond centralization and decentralization

Room: Grand Salon C, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Alice Cohen, Acadia University; James McCarthy, Clark University
 CHAIR(S): Alice Cohen, Acadia University
12:40 Alice Cohen*, Acadia University; James, McCarthy, Clark University, *Reviewing Rescaling: theorizing and exploring future trajectories.*
1:00 Bernard Debarbieux*, university of Geneva, *The issue of scale in the understanding of science-policy making interaction.*
1:20 Rebecca L Gruby, PhD*, Colorado State University, *(Re)making large ocean regions through regional environmental governance.*
1:40 James Igoe*, University of Virginia, *Bigging Up Conservation: On the Colonial Roots of Rescaled Neoliberal Nature.*
 Discussant(s): Tom Perreault, Syracuse University

2455. Death (again) of the 'Region'? (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Asian Geography Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut
 CHAIR(S): Jeremy Tasch, Towson University
 Discussant(s): Jerome E. Dobson, University of Kansas
 Panelists: Craig ZumBrunnen, University of Washington; Marie Price, George Washington University; Lydia Pulsipher, University of Tennessee; Roman Cybriwsky, Temple University

2456. Regional Studies Annual Lecture

Room: Grand Salon E, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Sally Hardy, Regional Studies Association
 CHAIR(S): Arnoud Lagendijk, Radboud University Nijmegen
12:40 Jamie Peck, University of British Columbia
 Discussant(s): Jan Nijman, University of Amsterdam

2458. Narrating the Nation through Urban Space III (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Grand Salon G, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Joshua Hagen, Marshall University; Alexander C. Diener, University of Kansas
 CHAIR(S): Joshua Hagen, Marshall University
12:40 Alexander C. Diener*, University of Kansas, *Kyrgyzstan or Kyrgyzstani-stan: Urban-Scapes of State-Ideologies in Bishkek.*
1:00 Kara E Dempsey, PhD*, DePaul University, *Creating a place for the nation: The Republic of Ireland's Garden of Remembrance.*
1:20 Diana Ter-Ghazaryan*, University of Miami, *The Role of the Armenian Diaspora in Shaping Contemporary Armenian National Identity through the Landscape of Armenia's Capital Yerevan.*
1:40 Jonathan Leib*, Old Dominion University, *Scripting and Rescripting Statehood in the Automobile Era: License Plates and Sovereignty.*
2:00 David Sichinava*, Department of Human Geography at Tbilisi State University, The Caucasus Research Resources Center, *Narrating (and Promoting) Nationalism through City-text - a case of Tbilisi, Republic of Georgia.*

2459. Geospatial Technologies and Geography Education in a Changing World (Sponsored by Jobs and Careers, Geography Education Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Osvaldo Muniz, Texas State University, San Marcos
 CHAIR(S): Osvaldo Muniz, Texas State University, San Marcos
 Introducer: Osvaldo Muniz
 Panelists: Sarah Bednarz, Texas A&M University; Joseph J. Kerski, Esri; Niem Huynh, Association of American Geographers; Lara Bryant

2460. Hazards, Risks, and Disasters S.G. Session: GIS applications in Hazards Management (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Grand Salon I, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Philip L. Chaney, Auburn University
 CHAIR(S): Daniel Cobb
12:40 Benjamin Zhan*, Texas State University; Zhongliang Cai, Wuhan University; Yiqing Zhu, China Earthquake Administration; Jiangcun Zhou, Chinese Academy of Sciences, *A Geospatial Analytical System for Medium-Term Earthquake Probability Estimation.*
1:00 Florent RENARD*, Université Jean Moulin Lyon 3; Didier Soto, Université Jean Moulin Lyon 3; Pierre-Marie Chapon, Université Jean Moulin Lyon 3, *Impacts of transport and storage of hazardous materials on environment vulnerability: a GIS-based methodology.*
1:20 Matin Katirai, Ph.D.*, West Chester University; Joby Hilliker, Ph.D., West Chester University; James Gregory, West Chester University, *A 40 Year Analysis of Disasters in the North East.*
1:40 Daniel Cobb*, Oak Ridge National Laboratory, *Radius of Uncertainty: Populations at Risk to Nitrogenous Fertilizer Plants.*

2461. Critical New Urbanisms: Austin and Seattle (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Grand Salon J, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Eliot Tretter, University of Texas - Austin
 CHAIR(S): Eliot Tretter, University of Texas - Austin
12:40 Yonn Dierwechter*, University Of Washington - Tacoma, *Smart growth confronts segregation: new urban trends across Metropolitan Seattle.*
1:00 Keith Harris*, University of Washington, *Vulcan Inc.: Seattle's New Urban War-Machine.*
1:20 Joshua Long*, Southwestern University, *Smart Growth and the Neoliberal Sustainability Narrative: The Case of Austin.*
1:40 Jennifer L. Scott, MSSW, MIA*, The University of Texas at Austin, *De-entiling incentives and re-incentivizing worker protection: Fair labor certification and Austin's new approaches to worker protection.*
2:00 Eliot Tretter*, University of Calgary, *New Urbanism and Land Values: The Continual Need for Purity.*

2462. Ice and Snow (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group)

Room: Florida Salon I, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Vena Chu, UCLA; John Mioduszewski, Rutgers University
 CHAIR(S): John Mioduszewski, Rutgers University
12:40 Thomas Mote*, University of Georgia; Asa K Rennermalm, Rutgers University; Jordan T McLeod, University of Georgia, *Recent unseasonal melt and runoff from the Greenland ice sheet and associated atmospheric circulation.*
12:56 Asa K Rennermalm*, Rutgers, The State University of New Jersey; Marco Tedesco, The City College of New York; Thomas Mote, University of Georgia; Irina Overeem, The Institute of Arctic and Alpine Research

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(INSTAAR), University of Colorado, *Greenland Rivers and ice sheet meltwater export to surrounding oceans.*

- 1:12** Vena W. Chu*, UCLA; Laurence C. Smith, UCLA; Kang Yang, Nanjing University; Carl J. Legleiter, University of Wyoming; Alberto E. Behar, Jet Propulsion Laboratory; Marco Tedesco, The City College of New York; Brandon T. Overstreet, University of Wyoming; Asa K. Rennermalm, Rutgers, The State University of New Jersey; Richard R. Forster, University of Utah; Colin J. Gleason, UCLA, *Remote sensing of supraglacial stream discharge on the Greenland Ice Sheet.*
- 1:28** Wenkai Guo*, The Ohio State University; Bryan Mark, Dr., The Ohio State University, *A multi-decadal study of the interaction between sea ice and Greenland ice sheet surface melt.*
- 1:44** Pushkar Inamdar, Mississippi State University; Shrinidhi Ambinakudige*, Mississippi State University, *Spatial patterns of glacier mass change in South America.*
- 2:00** Brian Hanson*, University of Delaware; Michael A O'Neal, University of Delaware; Sebastian Carisio, University of Delaware; Ashley M Satinsky, University of Delaware, *An Analysis of Recent Glacier Area Changes in the Northern Cascade Range, USA.*

2465. Geospatial Technologies and Human Rights (Sponsored by GIScience, GIS, and Public Policy)

- Room:* Florida Salon IV, Marriott, Second Floor (Paper Session)
ORGANIZER(S): GIScience, GIS, and Policy
CHAIR(S): Susan Wolfenbarger, American Association for the Advancement of Science
- 12:40** Susan Wolfenbarger, Ph.D.*, American Association for the Advancement of Science, *GIScience in International Human Rights Litigation.*
- 1:00** Lee Schwartz, The Geographer*, U.S. Department of State, *"Documenting Atrocities: Geographic Information to Support Evidence-Based Discovery, Prosecution, and Prevention."*
- 1:20** Andrew Linke, PhD*, University of Colorado, *Spatial representations of population attitudes in sub-Saharan Africa: georeferencing Afrobarometer surveys.*
- 1:40** Gary R Watmough*, Earth Institute, Columbia University; Peter M Atkinson, Geography and Environment, University of Southampton, *People and Pixels: A satellite-remote sensing perspective on human-environment relationships in Assam, India.*
- 2:00** Katherine Ann Kilduff*, San Francisco State University, *Drinking Water Contamination in the California Central Valley: A Case Study in Environmental Injustice.*

2468. Teaching Geography Critically I

- Room:* Meeting Room 1, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Amanda Huron, University of the District of Columbia; Beatriz Bustos, Universidad de Chile
CHAIR(S): Jesse Goldstein, Graduate Center, CUNY
Panelists: David Spataro, City University of New York; Regan Koch, University College London; David J. Roberts, University of Toronto; Jamey Essex, University of Windsor; Kafui Attah, CUNY Murphy Institute; Althea Eannace Lazzaro, UW Libraries - Bothell Campus Library

2469. Geographies of Media 2: Television and Video Games (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

- Room:* Meeting Room 2, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Joseph Palis, North Carolina State University; John Finn, Christopher Newport University
CHAIR(S): Marcia England, Miami University
12:40 Samuel Rufat*, University of Cergy Pontoise, Paris,

France, *Videogames: Exploring the impacts of the gaming environment.*

- 1:00** Jeremy Aber*, Middle Tennessee State University; Dakotah Green, Middle Tennessee State University, *Video Game Spaces and the Manipulation of Player Emotion.*
- 1:20** Hannah Gunderman*, University of Wyoming, *"It's Bigger on the Inside": How Doctor Who Alters Perceptions and Memories of Real Landscapes through Fictional Time Travel.*
- 1:40** Aaron H. Gilbreath, PhD*, College of Staten Island: City University of New York, *On Methiness: Meth Labs, Moral Panics, and the Meth Capital of the United States.*
- 2:00** Marcia England*, Miami University, *Public Privates: Spatial Understandings of Reality Television.*

2470. Water Resources and Sustainable Development I (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Water Resources Specialty Group)

- Room:* Meeting Room 3, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Ezgi Akpinar Ferrand, Southern Connecticut State University; Luke Juran, Virginia Tech
CHAIR(S): Ezgi Akpinar Ferrand, Southern Connecticut State University
- 12:40** Dale R. Lightfoot*, Oklahoma State University, *The Revival of Karez in Vulnerable Communities: A Case Study from Iraq.*
- 1:00** Afton Clarke-Sather*, University of Delaware, *Water Use Efficiency in Subsistence and Commercial Cropping Systems in Gansu Province, China.*
- 1:20** Kim Van Meter, University of Waterloo; Nandita Basu, University of Waterloo; Eric Tate*, University of Iowa; Joseph Wyckoff, University of Iowa, *Monsoon Harvests: The Living Legacies of Rainwater Harvesting Systems in South India.*
- 1:40** Rachel Will, B.A.*, Kent State University, *Identifying Produced Scarcity and Effective Solutions: A Meta-Analysis of Water Management Systems in Peru.*
- 2:00** Ezgi Akpinar Ferrand*, Southern Connecticut State University, *A Survey of Indigenous and Traditional Rainwater Harvesting Strategies for Sustainable Development.*

2471. China's Migrants and Migration: New Patterns, Trends, and Policies (Sponsored by China Specialty Group)

- Room:* Meeting Room 4, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Guo Chen, Michigan State University
CHAIR(S): Kam Wing Chan, University of Washington
- 12:40** Jia Feng*, Michigan State University; Guo Chen, Michigan State University, *The "unchanging" recycling enclaves in a rapidly changing society? A case study of Henancun in Beijing.*
- 1:00** Milena Janiec-Grygo*, University of South Florida, *Factory Work And Urban Leisure: Female, Rural Migrants In Wuhan, China.*
- 1:20** Huimin Du*, Hong Kong Baptist University, *Spatial Mobility of Educated Young People from Peripheral Areas: The Case of Chaohu, China.*
- 1:40** RUI LIU*, Peking University; Guangzhong Cao, Peking University, *The Size, Distribution and Factors of Residentialization of Chinese Migrant Workers.*
- 2:00** Kam Wing Chan*, University of Washington, *Shanghai's "Smart Kids" and the Left-behind Children.*

2472. China's City-Regions (Sponsored by China Specialty Group)

- Room:* Meeting Room 5, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Guo Chen, Michigan State University
CHAIR(S): Guo Chen, Michigan State University
- 12:40** Xingjian Liu*, University of North Carolina at Charlotte, *Networked cities, divided megaregions: Benchmarking*

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polycentric urban regions in China.

1:00 Jihong Li*, Northeast Forestry University; Rongxu Qiu, University of Lethbridge, *Analysis of the Regional Urban System Evolution of Harbin, China.*

1:20 JIE GUO*, Tiyan Shen; Yongqiang LV, *A Study on Metropolitan Entity Spatial Structure Based on the Data of Night Lights: A Case Study of Beijing, Tianjin and Hebei.*

1:40 Wenying Shang*, economics school of Henan university, *Urban Agglomeration: The Domain Space of Developing New Urbanization in China.*

2473. Sustainability Learning Communities Network (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Scale and Sustainability, Spatial Analysis and Modeling Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Timothy Nyerges, University of Washington
CHAIR(S): Timothy Nyerges, University of Washington
Panelists: Laxmi Ramasubramanian, Hunter College; Mary Roderick, University of Washington; James Wilson, James Madison University; Daniel Goldberg, Texas A&M University

2474. Foreign-Direct Investments, Multinational Firms and Cluster Networks in the Global Knowledge Economy 3

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Harald Bathelt, University of Toronto; Peng-Fei Li
CHAIR(S): Peter Maskell
12:40 Junson Wang, Ph.D., Insitute for China Innovation (ICI), East China Normal University; Yifei Sun*, California State University, Northridge; Canfei He, Ph.D., Peking University, *Related Varieties, Unrelated Varieties, Specialization and Competition of Local Industries and Spillovers of Foreign Investment on Domestic Firms.*
1:00 Nicholas A Phelps*, Martin Arias, University College London; Miguel Atienza, Universitat Catholica del Norte, *Enclaves, clusters and intermediate geographies of economic development: an elaboration fro the Chilean case.*
1:20 Ingo Liefner*, Justus Liebig University Giessen, *Indigenous innovation in China's mechanical engineering industry - identifying alternative pathways towards successful innovation.*
1:40 Martin Franz*, Philipps-Universität Marburg; Sebastian Henn, Leibniz-Institute for Regional Geography, *Emerging Multinationals in Germany - Locational Choices and Strategies of Investors from the BRIC Countries.*
2:00 Keyvan Alvandi*, CIRCLE, Lund University; Cristina Chaminade, Ph.D., CIRCLE, Lund University, Sweden; Michaela Trippl, Ph.D., CIRCLE, Lund University, Sweden, *Location of Technology Driven Investments (TFDI) by Emerging Multi-National Corporations (EMNCs) in Europe. Do regional characteristics matter? (Working title).*

2477. The Southern Plantation Museum: The "Tough Stuff" of Heritage Tourism Research I: The Power of Narrative (Sponsored by Study of the American South Specialty Group, The American South, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
ORGANIZER(S): David Butler, University Of Southern Mississippi; Derek H. Alderman, University of Tennessee
CHAIR(S): David Butler, University Of Southern Mississippi
12:40 Stephen Hanna*, University of Mary Washington, *Creating a Narrative Space for Commemorating an*

Enslaved Community: A Critical Examination of the Oak Alley Plantation's Slave Cabin Exhibit.

1:00 Antoinette T. Jackson, Ph.D.*, University of South Florida, *Heritage Interpretation at Antebellum Plantation Sites.*

1:20 Perry Carter, Associate Professor*, Texas Tech University, *The Stories they Tell: Southern Plantation Museums and the Education of America.*

1:40 Matthew Cook*, The University of Tennessee, *The Textual Politics of Alabama's Historical Markers: Slavery, Emancipation, and Civil Rights.*

2478. The Natural and Human Structuring of Rivers and other Geomorphic Systems III: A Special Session In Honor of Will Graf (Sponsored by Geomorphology Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Bruce Rhoads, University Of Illinois; Mark Fonstad, University of Oregon
CHAIR(S): Janet Hooke, University of Liverpool
12:40 Thad Waskiewicz*, East Carolina University; Cal Scheinert, McKim and Creed, Raleigh, NC; Dennis M Staley, Ph.D., USGS Landslide Hazards Program, Golden, CO, *Debris Flow Channelization and a Telescoping Alluvial Fan.*
1:00 Jeffrey A. Lee*, Texas Tech University; Thomas E. Gill, University of Texas, El Paso, *"Causes" of the Dust Bowl Dust Storms: A Physical Geography Interpretation.*
1:20 Norbert Psuty*, Rutgers University; Andrea J. Spahn, Rutgers University; William J. Schmelz, Rutgers University, *Geomorphological Response to Extreme Events, Great Kills Park, Gateway NRA.*
1:40 Linda O'Hirok*, California State University Channel Islands; Joan L. Florsheim, University of California, Santa Barbara; Anne Chin, University of Colorado Denver, *Response of Two Fluvial Systems to Wildfire in Chaparral Environments.*

2479. Session II: Disciplining the Transnational Mobility of People: Actors, Tactics, Technologies (Sponsored by Political Geography Specialty Group, Population Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Martin Geiger, Carleton University; Bethany Hastie; Emily Gilbert, University of Toronto
CHAIR(S): Bethany Hastie
12:40 Deborah Sporton, Dr*, University of Sheffield, *The role of labour market intermediaries as institutional actors in East European migration to the UK..*
1:00 Francis L. Collins, PhD*, University of Auckland, *Moulding Mobilities, Disciplining Migrants: South East Asian migrant workers and the South Korean state.*
1:20 Matt Bakker*, Colorado College, *The end of localization? Immigration enforcement, federal re-assertion, and the politics of contestation in inclusionary locales.*
1:40 Neil James Wilson*, City University London, *Living for the City: Urban Refugees and the rejection of the Camp.*
Discussant(s): Martin Geiger, Carleton University

2480. Exploring the Geographical Dimensions of Biogeochemistry: Ecosystem Processes in a Heterogeneous World I (Sponsored by Human Dimensions of Global Change Specialty Group, Biogeography Specialty Group, Water Resources Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Jonathan Duncan, UNC Chapel Hill; Alexandra Ponette-González, University of North Texas
CHAIR(S): Alexandra Ponette-González, University of North Texas
12:40 Alexandra G. Ponette-González, Ph.D.*, University

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of North Texas; Erika Marín-Spiotta, Ph.D., University of Wisconsin-Madison; Kate A. Brauman, Ph.D., Institute on the Environment, University of Minnesota; Kathleen A. Farley, Ph.D., San Diego State University; Kathleen C. Weathers, Ph.D., Cary Institute of Ecosystem Studies; Kenneth R. Young, Ph.D., University of Texas at Austin, *Heterogeneous Hydrologic and Biogeochemical Responses to Land Change in the High-Elevation Humid Tropics*.

1:00 Diego Riveros-Iregui, Ph.D.*, University of North Carolina at Chapel Hill; Liyin Liang, Ph.D., University of California, Riverside, *The lateral variability of the 13C content of forest soils is not homogeneous across single sites: Implications for isotope studies at the ecosystem scale*.

1:20 Lisa Davis*, University of Alabama; Jennifer Edmonds, University of Alabama; Jeremiah Bishop, University of Alabama; Ryan Vaughn, University of Alabama, *Understanding patch and system-scale geomorphic complexity in mid-sized rivers to help identify and restore naturally occurring nitrogen retention "hotspots"*.

1:40 Doug Baldwin*, Pennsylvania State University; Erica Smithwick, Pennsylvania State University, *Improving estimates of root zone soil water content using soil physical properties and remotely sensed soil moisture*.

2:00 Irena F Creed, Professor*, Western University; Irena F Creed, Professor, Western University, *The need for a shift from area to function based policies to prevent further wetland loss*.

2481. Thinking About Geography

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert Honea, Retired

12:40 Anitha Ramachandran, Ph.D.*, Princeton University, *Narrative Geographies in Travel Writing*.

1:00 Yeesheen Yang, PhD*, Tulane University; Yeesheen Yang, PhD, Tulane University, *Space is the Place: NASA's Brain-Centered View of Life and the Persistence of Cold War Utopias*.

1:20 Donnise Hurley*, CUNY Graduate Center, *Making sense of everyday experiences: Towards a theoretical framework for understanding how children conceptualize distant geographies*.

1:40 Robert B. Honea, PhD*, Retired, *"Let's put Geography back into GIS"*.

2482. Studying Exurbia: Roundtable workshop on methods for evaluating materiality and meaning across case studies (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Kirsten Valentine Cadieux, University of Minnesota; Laura Taylor, York University

CHAIR(S): Kirsten Valentine Cadieux, University of Minnesota
Introducers: Sarah Mason, Christine Mitchell, Seth Gustafson, Cheryl Morse, Susannah McCandless

Discussant(s): Innisfree Mckinnon, University of Oregon; Colleen Hiner, Texas State University

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2501. Historical Political Ecology 4: Crossovers, overlap, and divergences between historical political ecology and related areas of research (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Historical Geography Specialty Group)

Room: Room 1, TCC, First Floor (Paper Session)

ORGANIZER(S): Martha Bell, Pennsylvania State University; Karl Zimmerer, Pennsylvania State University

CHAIR(S): Karl Zimmerer, Pennsylvania State University

2:40 Russell Hedberg*, Penn State, *New York City Greenmarkets and the Remaking of the Agricultural Landscape: Synthesizing Historical Political Ecology and Landscape Ecology.*

3:00 Chelsea Teale, PhD*, The Pennsylvania State University, Humboldt State University, *"The Country Hath Outgrown the Meadows": A Mixed-Methods Approach to Understanding Nineteenth-Century Wetland Devaluation in Northeastern North America.*

3:20 Gregory Knapp*, University Of Texas - Austin, *Incorporating Historical Political Ecology in Broader Contexts of Nature, Society and Adaptation.*

3:40 Andrew Sluyter*, LSU, *Historical Political Ecology Meets the Spatial Digital Humanities.*

Discussant(s): Kendra McSweeney, The Ohio State University

2503. Healthy Urban Living: an international perspective II (Sponsored by Urban Geography Specialty Group, Health and Medical Geography Specialty Group)

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Martin Dijst; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign

2:40 Marta Jankowska*, University of California San Diego; Yan Kestens, University of Montreal; Jared Aldstadt, University at Buffalo; Jasper Schipperijn, University of Southern Denmark; Benoit Thierry, University of Montreal; Kristin Meseck, University of California San Diego; Jacqueline Kerr, University of California San Diego; Fredric Raab, University of California San Diego; Suneeta Godbole, University of California San Diego; Jordan Carlson, University of California San Diego; Katie Crist, University of California San Diego; David Berrigan, National Cancer Institute, *A Healthy Place? Determining Urban Activity Locations from GPS and Accelerometer Data.*

3:00 Kristin Meseck*, University of California San Diego; Marta Jankowska, University of California San Diego; Jasper Schipperijn, University of Southern Denmark; Jacqueline Kerr, University of California San Diego; Suneeta Godbole, University of California San Diego; Loki Natarajan, University of California San Diego; Lu Wang, University of California San Diego; Ester Cerin, University of Hong Kong; Jordan Carlson, University of California San Diego; Stephen Matthews, Pennsylvania State University; Katie Crist, University of California San Diego; Michelle Black, University of California San Diego; Kevin Moran, University of California San Diego; Linda Beale, Environmental Systems Research Institute; Sherry Ryan, San Diego State University; Douglas Wiebe, University of Pennsylvania, *Time Weighted Kernel Density Surfaces for Assessing Effects of Dynamic Exposure to Environment on Physical Activity.*

3:20 Margaret Pettygrove*, University of Wisconsin-Milwaukee; Rina Ghose, PhD, University of Wisconsin-Milwaukee, *Framing Food Access: Organizational (Spatial) Knowledge Production and Approaches to Dietary Health Inequities.*

3:40 Jerry Shannon*, University of Georgia, *Shopping the ghetto*

grocery: how segregation shapes food shopping in low income neighborhoods.

4:00 Ana Clara Duran, PhD*, Department of Nutrition, University of Sao Paulo School of Public Health; Maria do Rosario DO Latorre, PhD, Department of Epidemiology, University of Sao Paulo School of Public Health; Samuel Luna Almeida, MS, Department of Environmental Health, University of Sao Paulo School of Public Health; Patricia Constanse Jaime, PhD, Department of Nutrition, University of Sao Paulo School of Public Health, *Exploring the role of the food environment on fruits, vegetables, and sugar-sweetened beverages consumption in Sao Paulo, Brazil.*

2504. More Public than Private: Toilet Adoption and Menstrual Hygiene Management I (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Development Geographies Specialty Group)

Room: Room 4, TCC, First Floor (Paper Session)

ORGANIZER(S): Kathleen O'Reilly, Texas A&M University

CHAIR(S): Sarah Jewitt, University of Nottingham

2:40 Ibipo Johnston-Anumonwo*, SUNY Cortland, *Women, Men and Privatized Sanitation Services: A Kenyan Case Study of Public Toilet Users.*

3:00 Margaret Morales Corrigan, M.A.*, University of British Columbia; Leila Harris, Ph.D., University of British Columbia, Institute for Resources, Environment and Sustainability; Gunilla Oberg, Ph.D., University of British Columbia, Institute for Resources, Environment and Sustainability, *Citizenshit: The Right to Flush and the Urban Sanitation Imaginary.*

3:20 Yaffa Truelove, PhD Candidate*, University of Cambridge, *Everyday Urban Informality and the Production of Gender, Class and Criminality in Delhi's Sanitation Politics.*

3:40 Kathleen O'Reilly*, Texas A&M University; Elizabeth Louis, PhD, Texas A&M University, *The Toilet Tripod: Understanding successful toilet adoption in rural West Bengal and Himachal Pradesh, India.*

Discussant(s): Marni Sommer, Columbia University

2505. Geographies of Mobility VII: Methodological Developments (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Tim Schwanen, University of Oxford

CHAIR(S): Tim Schwanen, University of Oxford

2:40 Bart Dewulf*, Ghent University; Tijs Neutens, Ghent University; Mario Vanlommel, BeMobile; Steven Logghe, BeMobile; Philippe De Maeyer, Ghent University; Yves De Weerd, VITO; Nico Van de Weghe, Ghent University, *Examining daily commuting patterns using GIS.*

3:00 Barbara Lenz*, DLR German Aerospace Center, Institute of Transport Research, Institute of Transport Research, *Can NTS like the German 'Mobilitaet in Deutschland' help understanding immobility?.*

3:20 Mark Horner*, Florida State University; Brittany Wood, Florida State University; Joni Downs, University of South Florida, *Validating Network-Based Probabilistic Path Trees: A TGDE Approach.*

3:40 Yanwei Chai*, Peking University; Tana, Peking University; Daosheng Sun, Peking University; Mei-Po Kwan, University of Illinois, at Urbana-Champaign, *Reconstruction of daily life cycle in urban China: a study of daily activity based on Location-Based Technology.*

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2506. Governing urban diversity: New challenges for urban policy-2 (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Tuna Tasan-Kok, TUDelft; Ron Vankempen, Utrecht University

CHAIR(S): Ron Vankempen, Utrecht University

2:40 Prof. Zoltán Kovács*, University of Szeged, *Measuring urban diversity: lessons from Budapest.*

2:57 Kadri Leetmaa*, University of Tartu; Adam Bierzynski; Katrin Grossmann; Annegret Haase; Dániel Horváth; Fabula Szabolcs; Anneli Kährik, *Approaches in governing emerging urban diversities: the experiences of four post-socialist cities (Leipzig, Warsaw, Budapest and Tallinn).*

3:14 Thea Dukes*, AISSR, University of Amsterdam, *Bulgaria and Rumania in the European Union: a blessing or a Trojan Horse?*

3:31 Carolina Sternberg, DePaul University; Matthew Anderson*, Montana State University, Billings, *Urban Diversity, Contestation, and Neoliberal Governance Trajectories: a Comparative Analysis of Chicago's Bronzeville and Pilsen.*

3:48 Emma C Folmer*, University of Amsterdam, *Roads to Revitalization. A study of variegated trajectories of commercial gentrification in the Dutch context.*

Discussant(s): Tracey Skelton, National University of Singapore

2507. Special session Retail & Leisure in Urban Geography and Urban Planning - II (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Herman Kok, Multi Development

CHAIR(S): Jan Van Weesep, University of Utrecht

Introducer: Jan Van Weesep

2:45 Slawomir Ledwon, PhD Arch.*, Gdansk University of Technology, Poland, *Shopping centre development in Poland - an analysis of post transformational growth from an urban planning perspective.*

3:05 Arne Bongenaar*, -, *Emerging market retail scheme development and urban structure in the capital cities of Warsaw and Prague, 1990-2013.*

3:25 Isil Erol*, Ozyegin University, *Urban Dynamics of Shopping Center Development in Istanbul.*

3:45 Yim Ming Kwong*, Yi-ping Li, *Mall as Leisure Space: A Comparative Analysis of Perceptions between Mainland Visitors and Local Residents in Shopping Malls in Hong Kong.*

Discussant(s): Steve Wood, University of Surrey

2508. Geographically Weighted Regression (GWR) (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Jorge V. Ruiz, Universidad Pedagógica Y Tecnológica De Colombia

CHAIR(S): David Lopez-Carr, UC Santa Barbara

Introducer: Jorge V. Ruiz

2:45 LI-SAN HUNG*, The Pennsylvania State University, *Family Structure and Household Poverty Rates in the Black Belt States: A Geographically Weighted Regression approach.*

3:05 Jorge V. Ruiz*, Universidad Pedagógica Y Tecnológica De Colombia, *What does crossing Saber 11 and Saber Pro tests reveal of the quality of secondary and higher education in Boyacá, Colombia: A Geographically Weighted Regression approach.*

3:25 Yuan Huang*, University of South Carolina; Xiaoguang Wang, Central Michigan University; David K Patton, Central Michigan University, *Examining the Relationship between the Built Environment and Crashes in Detroit*

Region: a Geographically Weighted Regression Approach.

3:45 Lingjun Kang*, Department of Geography and GeoInformation Science George Mason University; Liping Di, CSISS/GMU; Meixia Deng, CSISS/GMU; Yuanzheng Shao, CSISS/GMU; Eugene Yu, CSISS/GMU; Ranjay Shrestha, Department of Geography and GeoInformation Science George Mason University, *Exploring Spatial Patterns Of and Local Factors to NDVI-Precipitation Correlation with Geographically Weighted Regression Model.*

Discussant(s): David Lopez-Carr, UC Santa Barbara

2509. FQG: Race, Biopolitics, and the Future II (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group, Racism and Violence)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): Sara H. H Smith, University of North Carolina; Pavithra Vasudevan, University of North Carolina, Chapel Hill

CHAIR(S): Sara H. H Smith, University of North Carolina

Introducer: Sara H. H Smith

2:45 Carolin Schurr*, University of Zürich, *The A.R.T. of (re) producing whiteness.*

3:05 Michele Flippo Bolduc*, University of Kentucky, *The Bio(Politics) of Haitian Immigrant Women's Reproductive Health.*

3:25 Eric Olund*, University of Sheffield, *The Queer Pasts and Futures of Race.*

3:45 Pavithra Vasudevan*, University of North Carolina, Chapel Hill, *Toxic Life, Slow Death: Black Geographies and Industrial Toxicity.*

Discussant(s): Zakiyyah Jackson

2510. alt.conference on Big Data: Tech Demos (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Communication Geography Specialty Group)

Room: Room 10, TCC, First Floor (Panel Session)

ORGANIZER(S): Josef Eckert, University of Washington; Jim Thatcher, Clark University

CHAIR(S): Andrew Shears, University of Wisconsin-Fox Valley

Discussant(s): Andrew Shears, University of Wisconsin-Fox Valley

Panelists: Ate Poorthuis, University of Kentucky; Josef Eckert, University of Washington; Jim Thatcher, Clark University

2511. Continuities and Transformations in African Business (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Padraig Carmody, Trinity College Dublin; James T. Murphy, Clark University

CHAIR(S): Padraig Carmody, Trinity College Dublin

2:40 Padraig Carmody*, Trinity College Dublin, *E-Business and Neoliberalism in African Development.*

3:00 Richard Grant*, University Of Miami; Dan Thompson, University of Miami, *City on Edge: Immigrant Businesses and the Right to Urban Space in Inner-City Johannesburg.*

3:20 James T. Murphy*, Clark University, *An "emerging" Africa? Assessing the prospects for industries and socioeconomic development.*

3:40 Scott Taylor*, Georgetown University, *Business-State Relations in Rwanda: The Prospects for Private Sector Development.*

Discussant(s): Julie A. Silva, University of Maryland, College Park

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2512. Spatiotemporal Thinking, Computing and Applications 8: Agent Based Modeling (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Yunfeng Jiang, George Mason University; Shaowen Wang, University of Illinois at Urbana-Champaign
CHAIR(S): Min Sun, GMU

2:40 Carson J. Q. Farmer*, Hunter College - CUNY; Peter Marcotullio, Hunter College - CUNY, *Agent-based models for spatially-explicit population projections.*

3:00 Xi Gong*, Texas Center for Geographic Information Science, Department of Geography, Texas State University; T. Edwin Chow, Texas Center for Geographic Information Science, Department of Geography, Texas State University; F. Benjamin Zhan, Texas Center for Geographic Information Science, Department of Geography, Texas State University, *The Importance of "Space" in Strategies of Team Sports: An Agent-based Modeling Approach.*

3:20 Laiping Luo, doctor*, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China; Artificial Intelligence Institute, Beijing City University, Beijing, China; Jing Zhang, professor, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China; Xinglin Hu, master, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China; Xiaomeng Liu, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China; Lifang Zhu, The fifteenth Institute of China Electronics Technology Group Corporation, Beijing, China, *Implementation of virtual public transportation environment based on multi-agent.*

3:40 Sarah Wise*, University College London, *Cops and Robbers: an Agent Based Model of the Interaction between Policing and Reported Crime Rates.*

4:00 Yunfeng Jiang*, George Mason University; Min Sun, George Mason University; Chaowei Yang, George Mason University, *Simulating spread of epidemic disease with GPU-enabled agent based modeling.*

2513. Practicing Geography through Engaged Scholarship II: Undergraduate Internships and Fieldwork (Sponsored by Jobs and Careers)

Room: Room 13, TCC, First Floor (Panel Session)

ORGANIZER(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
CHAIR(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
Panelists: Hilary Clauss, Penn State University; Anne Harris, Penn State University; Tim Heckman, Penn State University; Benjamin Levine, Penn State; Melissa Peterson, Penn State University

2514. Beyond the Ivory Tower: Applied Careers for Geographers (Sponsored by Jobs and Careers, Business Geography Specialty Group)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers
CHAIR(S): Michael N. Solem, Association of American Geographers
Panelists: Paul McDaniel, Immigration Policy Center / American Immigration Council; Johanne Sanschagrin, Office of the Auditor General of Canada; Morgan J. Bearden, United States Geological Survey; Carolyn Wilson, American Geosciences Institute; Linda A. Peters, Esri; Max Baber, US Geospatial Intelligence Foundation;

Jason Hight, Florida Fish and Wildlife Conservation Commission; John Wertman, Association of American Geographers; Brad Jackson, City of Austin, TX

2515. Geoarchaeology of the Maya World (Sponsored by Latin America Specialty Group, Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Timothy Beach, Georgetown University; Duncan Cook; Casey D Allen, University of Colorado - Denver

CHAIR(S): Casey D Allen, University of Colorado - Denver

2:40 Duncan Cook*, Australian Catholic University; Tim Beach, Georgetown University; Sheryl Luzzadder-Beach, George Mason University, *Mercury pollution and the ancient Maya.*

2:55 Timothy Beach*, Georgetown University; Sheryl Luzzadder-Beach, University of Texas at Austin; Nicholas Brokaw, University of Puerto Rico-Rio Piedras; Samantha Krause, New Mexico State University at Alamogordo, *Geoarchaeology of a Maya Tropical Forest Transect.*

3:10 Sheryl Luzzadder-Beach, PhD*, University of Texas at Austin; Timothy P Beach, PhD, Georgetown University; Nicholas P Dunning, PhD, University of Cincinnati; Thomas Guderjan, PhD, University of Texas-Tyler; Tanya Catignani, George Mason University; Samantha Krause, New Mexico State University at Alamogordo; Eric Weaver, University of Cincinnati, *Beyond the Fields of Paradise: Geoarchaeological Field Investigations of Ancient Maya Wetland Agriculture.*

3:25 Mandy Munro-Stasiuk*, Kent State University; Kam Manahan, Kent State University; Richard Terry, Brigham Young University; Christopher Balzotti, University of Utah; Scott Hutson, Kentucky University; Nisao Ogata, Universidad Veracruzana, *An investigation of rejolladas (collapse sinkholes) as loci of Ancient Maya cacao production in the Northern Lowlands of the Yucatan Peninsula.*

3:40 Thomas Guderjan*, University of Texas at Tyler; Timothy Beach, Georgetown University; Sheryl Luzzadder-Beach, George Mason University; Samantha Krause, New Mexico State University at Alamogordo, *New Information about the Extent of Ditched Field Agriculture in the Rio Hondo Valley.*

2516. Climate Change and Indigenous People (Part 3): Case Studies from Africa (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Indigenous Peoples Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Dr. Emma S. Norman, Michigan Technological University

2:40 Kamgwachi Banye Banye Mmobuosi, Bsc*, Agric Research Council of Nigeria; kamgwachi Banye Mmobuosi, Agric Research Council of Nigeria; kamgwachi Banye Mmobuosi, Bsc, Agric Research Council of Nigeria, *Impact Of Climate Change On Agricultural production and food security; coping strategies among Nigerian farmers..*

3:00 Emekadaniel Oruonye*, Taraba State University, *The Challenges of Fishery Resource Management Practices in Mayo Ranewo Community in Taraba State Nigeria.*

3:20 Mohamed Babiker Ibrahim*, Hunter College - CUNY; Mohamed Babiker Ibrahim, Dr., Hunter College-CUNY, *Agricultural Development, Urbanization and Climate Change in the Sudan.*

3:40 Benjamin Kofi Nyarko*, University of Cape Coast,

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Mainstreaming of Climate Change into Tertiary Educational System in Ghana.

- 4:00** Saul Daniel Ddumba*, Michigan State University; Jeffrey Andresen, Michigan State University; Nathan Moore, Michigan State University; Jennifer Olson, Michigan State University; Sieglinde Snapp, Michigan State University; Julie Winkler, Michigan State University, *The impact of climate change on sweet potato production in East Africa for near term future (2041-2070) and distant future (2071-2100) periods.*

2517. GIS Specialty Group Honors Student Paper Competition Session I (finalists) (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Somayeh Dodge, University of Colorado Colorado Springs

CHAIR(S): Somayeh Dodge, University of Colorado Colorado Springs

- 2:40** Weibo Liu*, University of Kansas; Xingong Li, University of Kansas, *A Spatiotemporal Graph Model for Rainfall Event Identification and Representation.*

- 3:00** Mengyao Zhang*, University of Connecticut; Debarchana Ghosh, University of Connecticut; Zhiqiang Liu, Photo Science Inc, Atlanta, GA, *Supermarket Redlining and Community Vulnerability in Greater Hartford Area of Connecticut.*

- 3:20** Kangping Si*, Clark University, *A knowledge-based local search algorithm for optimizing spatial contiguity in site search problems in a raster space.*

- 3:40** Jiue-An Yang*, San Diego State University, *Predictions in Battleground: A Case Study of Swing States in 2012 US Presidential Election with Twitter.*

- 4:00** David S Lamb*, University of South Florida, *Examining the effects of network structure on the network K-function.*

2518. Networks of environmental governance 2 (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Energy and Environment Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Deborah Cheng, UCLA; Anita Milman, University of Massachusetts

CHAIR(S): Anita Milman, University of Massachusetts

- 2:40** Deborah Cheng*, UCLA, *Fragmented Flows: The Network of Water Governance in Los Angeles County.*

- 3:00** Ellen Kohl*, University of Georgia, *"Let's join hands and go through the door:" Using collaborations as a form of environmental governance to address environmental injustices.*

- 3:20** Noëlle Boucquey*, Stanford University; Luke Fairbanks, Duke University; Kevin St. Martin, Rutgers University; Lisa Campbell, Duke University; Bonnie McCay, Rutgers University, *Forging New Alliances? Governance practices in emerging marine spatial planning networks.*

- 3:40** Lise Desvallees*, ENS de Lyon, *An approach to networked NGOs in the light of their responses to a global forest protection device (REDD)..*

- 4:00** Bryan R. Bushley*, University of Hawai'i Manoa, *REDD+ policymaking in Nepal: Toward state-centric, polycentric or market-oriented governance?.*

2519. Climate Risk Management (Sponsored by Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Asher Siebert, Rutgers University

CHAIR(S): Aondover Tarhule, University of Oklahoma Department of Geography and Environmental Sustainability

- 2:40** Agathe Maupin, Dr*, SAIIA, *The Securitisation of Climate Change in South Africa, Mozambique and Democratic Republic of Congo's resources policies..*

- 2:59** James Jeffers*, Bath Spa University, *Not reinventing the wheel! Learning from past theory and practice in climate change adaptation.*

- 3:18** Michael Brady*, Rutgers University Geography, *Leveraging adaption opportunities from offshore petroleum development in Arctic Alaska.*

- 3:37** Michael Mann*, George Washington University, *California Wildfire in a Changing Climate and Built Environment.*

- 3:56** Aondover Tarhule, Ph.D*, University of Oklahoma Department of Geography and Environmental Sustainability; Uvirkaa Akumaga, Mr., Department of Geography and Environmental Sustainability, University of Oklahoma, *Climate Change Impacts on Rain-fed Agriculture and Crop Yields in the Niger Basin.*

Discussant(s): James Mitchell, Rutgers University

2520. Symposium on Synergistic Advances of CyberGIS and Geography: CyberGIS for Complex Geographic Problem Solving (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Timothy Nyerges, University of Washington; Wenwen Li, Arizona State University

CHAIR(S): Wenwen Li, Arizona State University

- 2:40** Haoyi Xiong*, Master Student, LESAM/Geography, University at Buffalo; Chris S. Renschler, Associate Professor, LESAM/Geography, University at Buffalo; Varun Chandola, Assistant Professor, Computer Science and Engineering, University at Buffalo, *Modeling Climate Change Impact - Design and Analysis for Local Impact Studies in a CyberInfrastructure Setting.*

- 3:00** Timothy Nyerges, PhD*, University of Washington; Mary Roderick, PhC, University of Washington; David Bennett, PhD, University of Iowa; Nna Lam, PhD, Louisiana State University; Steven Prager, PhD, University of Wyoming, *Toward Resilience Thinking about Sustainable Systems Using CyberGIS.*

- 3:20** Ninghua Wang*, San Diego State/UC Santa Barbara, *Statistics for Time Series Spatial Data: Applying Survival Analysis to Study Land Use Change.*

- 3:40** Ian Finlayson*, University of Mary Washington, *Spatial Visualization and the Hamiltonian Cycle Problem.*

- 4:00** Stefan Hennemann*, University of Giessen; Ben Derudder, Ghent University, *An Alternative Approach to the Calculation and Analysis of Connectivity in the World City Network.*

2521. Author Meets the Critics: Jamie Winders' 'Nashville in the New Millennium: Immigrant Settlement, Urban Transformation, and Social Belonging' (Sponsored by Study of the American South Specialty Group, The American South, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Room 21, TCC, First Floor (Panel Session)

ORGANIZER(S): Caroline Nagel, University of South Carolina

CHAIR(S): Caroline Nagel, University of South Carolina

Panelists: Ayona Datta, University of Leeds; Nina Martin, University of North Carolina at Chapel Hill; Patricia Ehrkamp, University of Kentucky; Steven Holloway, University Of Georgia; Jamie Winders, Syracuse University

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2522. Routes and Rootedness in sacred landscapes (2) (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Richard Scriven, University College Cork; David J Butler, Department of Geography, University College Cork (UCC)

CHAIR(S): Richard Scriven, University College Cork

2:40 Edward H Davis, PhD*, Emory & Henry College, *The spirit made flesh: Jazz performance and sacred space.*

3:00 Anton Gosar*, University of Primorska, *Western Society's Heritage In Focus By Asian Visitors.*

3:20 Lance F Howard*, Clemson University, *A Labyrinth for Clemson? A project-based inquiry into place apprehension..*

3:40 David J Butler*, Department of Geography, University College Cork (UCC), *An unlikely harbinger of pre-/early Christian ritual: The Church of Ireland and its churchyards.*

2523. Geographies of Change: Geographic Contributions to the Third National Climate Assessment (Part 2) (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)

Room: Room 23, TCC, First Floor (Panel Session)

ORGANIZER(S): Susanne C. Moser, Susanne Moser Research & Consulting

CHAIR(S): Susanne C. Moser, Susanne Moser Research & Consulting

Panelists: Shannon McNeeley, Colorado State University/ North Central Climate Science Center; Kirstin Dow, University of South Carolina; Emily T Cloyd, US Global Change Research Program

2524. Coastal and Marine Illustrated Paper Session (Sponsored by Coastal and Marine Specialty Group)

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Thomas Allen, East Carolina University;

Jennifer Rahn, Samford University

CHAIR(S): Jennifer Rahn, Samford University

Introducer: Jennifer Rahn

2:42 Zachary Oyer*, East Carolina University, *Comparative Analysis of Water Infrastructure Vulnerability to Coastal Flood Hazards, Manteo, New Bern, and Plymouth, North Carolina.*

2:47 Donna Selch*, Florida Atlantic University; Caiyun Zhang, Florida Atlantic University; Anton Oleinik, Florida Atlantic University, *Building a Spectral Library for Sand Classification using an ASD Spectrometer.*

2:52 Justin Smith*, University of Alaska Fairbanks, *Chippy McNish, Shackleton's Carpenter.*

2:57 Victoria N. Nguyen*, Louisiana State University and Agricultural and Mechanical College, *Fading Backyard Gardens of Versailles.*

3:02 Kean T McDermott*, The George Washington University, *The 17th Century Baltic Grain Trade: A Cultural Exchange..*

3:07 Ashley F Wynne-James*, Colgate University, *Touring the Justice Frames: Integrating Tourism into the Environmental Justice Movement.*

3:12 Sherika Gibson, Graduate Student*, Department of Natural Sciences, University of Michigan-Dearborn; Jacob Napieralski, Associate Professor, Department of Natural Sciences, University of Michigan-Dearborn, *Investigating the effectiveness of stream restoration strategies in urban tributaries using Ultrasonic Stage-height Datalogger (USD).*

3:17 Joanne Halls*, UNC Wilmington; Kaitlyn S Costin, UNC Wilmington, *Field Survey and Analysis of Emergent and Submerged Habitats in Semi-Developed and*

Urbanized Tidal Creek Watersheds.

3:22 Jennifer Rahn, Ph.D.*, Samford University, *A Simple Method of Bathymetric Mapping for a Depth Range of 2 to 300 Feet (0.6 to 91 meters) for Under \$500: A Coral Reef Application.*

2526. FQG Rebel Landscapes IV (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Ballroom A, TCC, First Floor (Panel Session)

ORGANIZER(S): Emma Gaalaas Mullaney, The Pennsylvania State University

CHAIR(S): Bradley Wilson, West Virginia University

Discussant(s): Wendy Wolford, Cornell University

Panelists: Megan Ybarra, Willamette University; Léonie Newhouse, University of Washington; Emma Gaalaas Mullaney, The Pennsylvania State University; Jennifer Titanski-Hooper

2529. Geography and Militarism

Room: Ballroom D, TCC, First Floor (Panel Session)

ORGANIZER(S): Eric S. Sheppard, UCLA; James Tyner, Kent State University

CHAIR(S): James Tyner, Kent State University

Discussant(s): Joseph Bryan, Department of Geography, University of Colorado, Boulder; Shannon O'Lear, University of Kansas; Joshua Inwood, University of Tennessee; Derek Gregory, University of British Columbia; Michael F. Goodchild, University of California - Santa Barbara; Kent H Butts, Penn State Harrisburg

2530. Hurricane III: Societal Response and Vulnerability (Sponsored by Coastal and Marine Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR(S): Harry Williams, University of North Texas

2:40 Courtney Thompson*, University of Idaho; Tim G Frazier, PhD, University of Idaho, *Hurricane Hazard Mitigation Strategies for Social Vulnerability Reduction.*

3:00 Apama Kumari*, University of Idaho; Tim G Frazier, PhD, University of Idaho, *Evaluating Reliance on Social Capital for Resilience: A Case Study of Hillsborough County, Florida.*

3:20 Robert Schwartz*, University of Akron, *Communication Issues and Weather Information Among the Elderly Following Tropical Storm Debby.*

3:40 Jay Baker*, Florida State, *Escape from New York: Evacuation in Hurricane Irene.*

4:00 Heng Cai*, Louisiana State University; Nina Lam, Ph.D., Louisiana State University; Lei Zou, Louisiana State University, *Predicting the Resiliency of the East Coast Counties after Hurricane Sandy.*

2531. Globalization, migration, trans-border relations (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Stephanie Wilbrand, University of Wisconsin - Madison

CHAIR(S): Daniel Schiller, Lower Saxony Institute for Economic Research (NIW), Hannover, Germany

2:40 Shawhin Roudbari*, University of California, Berkeley, *Transnationalization of Cultures and Institutions of Higher Education.*

3:00 Mary Gilmartin*, NUI Maynooth, *Rethorizing migration: a place-based approach.*

3:20 Eva Janska*, Charles University in Prague, Faculty of Science, *What shapes the concentration/*

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deconcentration processes? The consequences of internal migration of non-natives in Czechia..

3:40 Nian Liu*, Indiana University, Geography Department, *Continuity, Discontinuity and Hybridity - A Case Study of Chinese-American Children's Ethnic Identity.*

4:00 Daniel Schiller*, Lower Saxony Institute for Economic Research (NIW), Hannover, Germany; Alexander Cordes, Lower Saxony Institute for Economic Research (NIW), Hannover, Germany, *International mobility of highly-qualified people: comparing Germany to the United States.*

2532. 2014 Student Honors Paper Competition II (Sponsored by Remote Sensing Specialty Group)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Lindsay Deel, West Virginia University

CHAIR(S): Lindsay Deel, West Virginia University

2:40 Wenliang Li*, Department of Geography, University of Wisconsin-Milwaukee; Changshan Wu, Department of Geography, University of Wisconsin Milwaukee, *Incorporating land use land cover probability information into endmember class selections for temporal mixture analysis.*

3:00 Chen Shi*, SUNY Buffalo; Le Wang, SUNY Buffalo, *Incorporate spatial dependence in spectral unmixing: A case study of invasive saltcedar along the Forgotten River.*

3:20 Yuhong Zhou*, University of Texas, Dallas; Fang Qiu, University of Texas at Dallas, *ICESat waveform based land cover classification using a curve matching approach.*

3:40 Matthew P. Dannenberg*, University of North Carolina at Chapel Hill, *Empirical Evidence of the El Niño? Southern Oscillation Influencing Variability in Land Surface Phenology and Productivity in the Western United States.*

4:00 Kunwar K Singh*, NC State University, *LiDAR-derived metrics for detecting and mapping the spatial distribution of Chinese Privet (*Ligustrum sinense*) an invasive understory plant species.*

Discussant(s): Timothy A Warner, West Virginia University; Yuhong He, University of Toronto Mississauga; Michaela Buenemann, New Mexico State University

2533. Geography as a Minority Discipline within Larger Departments

Room: Room 33, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Amy Sumpter, Georgia College and State University

Panelists: Paul Watts, Nicholls State University; Toni Alexander, Auburn University; Chuck Fahrner, Georgia College & State University; Doug R. Oetter, Georgia College & State University

2534. Historical Drought

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jesslyn Brown, United States Geological Survey

2:40 Abdullah A Almisnid, Dr*, Department of geography Qassim University, *Drought in the Arabian Peninsula very old according to The Holy Quran.*

3:00 Jie Zhang*, University of Maryland; Catherine Nakalembe, University of Maryland; Christopher Justice, University of Maryland, *Characterizing Drought in Northeastern Uganda Using Satellite Long Term Data Record.*

3:20 Sara A Allen, BS*, UW-Platteville; Evan R Larson, Ph.D., University of Wisconsin-Platteville, *Establishing the Long-Term Range of Variability in Drought Conditions for Southwest Wisconsin.*

3:40 Rudy Bartels*, Western Michigan University; Lei Meng,

Assistant Professor, Western Michigan University, *A Climatological Study on Drought in Southern Michigan.*

4:00 Jesslyn Brown*, United States Geological Survey; Tom Loveland, United States Geological Survey; Norman Bliss, ASRC InuTek; Krista Karstensen, United States Geological Survey, *Historical Drought Effects on Land Cover in the Great Plains, USA.*

2535. Geographies of Health Care

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ingrid L. Nelson, University of Vermont

2:40 Agyapong Fosu Amankwah*, University of Cape Coast, Cape Coast, Ghana, *In the Hands of 'Good' or 'Bad' Samaritan: Utilization of Maternal Healthcare Services in Public Health Institutions in the Eastern Region, Ghana.*

3:00 Rhoda Mundi, Professor*, University of Abuja; Foin David Nchouji, Mr, Department of Geography, Ahmadu Bello university, Zaria, *Prevalence of VesicoVaginal Fistula in Northern Nigeria: Counting the Cost.*

3:20 John Urata*, Claremont Graduate University, *Modeling 2009 Women Life Expectancy Using Exploratory Regression and Ordinary Least Squares.*

3:40 Ingrid L. Nelson*, University of Vermont, *The Provocations of 'Powder Out of Place' in a Cholera Conflict in Mozambique.*

4:00 Jirina Kocourkova*, Charles University Prague, *The impact of recent economic recession on fertility in Europe.*

2536. Politics of Regions - Regions of Politics

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Roger Baars; Sami Moiso, University of Oulu

CHAIR(S): Antje Schlottmann, Dep. of Human Geography, Goethe-University Frankfurt

2:40 Sami Moiso*, University of Oulu, *Geopolitics of knowledge based society.*

3:00 Roger Baars*, Goethe University Frankfurt; Antje Schlottmann, Goethe University Frankfurt, *Inducing the 'Phantom Region' of Central Germany - Governing through Spatial Organisations-in-Becoming.*

3:20 Rhys Jones, Professor*, Aberystwyth University; Andrea Ross, Professor, Dundee University, *Region as nation: the role of sustainable development and nationalism discourses in Scotland and Wales.*

3:40 Markus Grillitsch*, CIRCLE, Lund University, *Regional Transformation: Institutional Change and Economic Evolution in Regions.*

2537. Fracking Landscapes: Examinations of Governance, Identity, and Resistance (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Energy and Environment Specialty Group)

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Sarah T. Romano, University of Northern Colorado; Shaunna Barnhart

CHAIR(S): Shaunna Barnhart

2:40 Thomas Loder*, Texas A&M University, *An (Un)suitability Analysis for Fracking in North Dakota: Combining Insights from Critical GIS and Political Ecology.*

2:55 Grace Stranch, J.D. Candidate*, University of Tennessee College of Law, *University of Tennessee Frack Attack on Public Land: Grassroots Opposition to the Rise of Frackademia.*

3:10 Sarah T. Romano, PhD*, University of Northern Colorado; Wendy Highby, University of Northern Colorado, *University Libraries, Fear and Fracking in Colorado: Faculty Inquiry, Activism, and Abstinence at the University of Northern Colorado.*

3:25 Kristian Gareau*, Concordia University, *Lives on the Line:*

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Coalitions of Resistance to Petro-capitalism in Quebec, Canada.

- 3:40** Karen Edelstein*, NYS Program Coordinator, FracTracker Alliance, *Maps and analyses for public empowerment and education.*

2539. Geosimulation Models 3: Applications - Macro (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Paul Torrens, University of Maryland; Suzana Dragicevic, Simon Fraser University; Andrew Crooks, George Mason University

CHAIR(S): Paul Torrens, University of Maryland

- 2:40** Clementine COTTINEAU*, University Paris 1 Panthéon-Sorbonne, UMR Géographie-Cités, GeoDiverCity; Paul CHAPRON*, CNRS, UMR Géographie-Cités, GeoDiverCity, *Evaluation & Calibration for the comparison of ABMs of cities' trajectories.*

- 3:00** Xiongbing Jin*, University of Waterloo; Dawn C Parker, University of Waterloo, *Developing a vector-based land market model.*

- 3:20** Claudio Cioffi-Revilla, Ph.D., D.Pol.Sci.*, George Mason University, *MASON NordicLands: A Geospatial Agent-Based Model of Climate Change and Societal Impacts in the Northern Boreal and Arctic Regions.*

Introducer: Paul Torrens

- 3:40** Siyu Fan*, Eastern Michigan University; Yichun Xie, Eastern Michigan University, *Simulating dynamic transitions of cities, farms and grasslands.*

- 4:00** Denise Pumain*, University Paris I; Clara Schmitt, UMR Géographie-cités; Sébastien Rey-Coyrehourcq, UMR Géographie-cités; Romain Reuillon, UMR Géographie-cités, *Building and exploring an agent-based model with OpenMOLE.*

2540. Organizing Against Oppression in the Modern Food System: the Coalition of Immokalee Workers (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Daniel Block, Chicago State University; Julia Perkins; Nathan McClintock, Portland State University

CHAIR(S): Hilda Kurtz, University of Georgia

Introducer: Hilda Kurtz

2:50 Silvia Perez

3:40 Claudia Saenz

Discussant(s): Nathan McClintock, Portland State University

2541. Energy and Transportation, Ecology and Environment (Sponsored by Geographies of Climate Change, Scale and Sustainability)

Room: West Hall, TCC, Third Floor (Poster Session)

ORGANIZER(S): Program Committee

James Mills, Dr.*, SUNY Oneonta, *Sustainable (?) Palm Oil Production in Malaysia and Indonesia.*

Megan Malerbi*, Salem State University; Megan E Malerbi, Salem State University, *Rising Sea Surface Temperatures and its effects on the American Lobster in New England.*

John Michael Worsham, Undergraduate Sustainability Science Major*, Furman University; Betsy A. Beymer-Farris, Assistant Professor of Sustainability Science, Furman University, *Rationales and Responses to the Recentralization of Marine Resource Governance in the Menai Bay Conservation Area in Zanzibar, Tanzania.*

Steve Padgett-Vasquez, M.S.*, University of Georgia, *Hosting a Google MapUp in the Bellbird Biological Corridor of Costa Rica.*

Dominic C Biondo*, University of Nebraska; Paul BT Merani, University of Nebraska; Lawrence A Vrtiska, Nebraska Military Department; Sunil Narumalani, University of Nebraska, *Using GIS to monitor the effects of bridge construction on sandbar development within a seasonally flooded riparian stream along the Platte River, Camp Ashland, Nebraska.*

Michael L Mann, GWU; Jing Lu*, GWU, *California Wildfire Past, Present, and Future.*

Zhu Lidong*, Zhu Lidong, Ye Wei, Gu Xiji, Li Fengquan, Wang Tianyang, Chen Qiu, *Plithitic Yellow-brown Earth in Mid-subtropics of China.*

Min-Yu Hsueh*, National Kaohsiung Normal University Department of Geography; Yi-Hsien Lin*, Cheng Shiu University; Yu-San Ting, Bachelor Program in Tourism Travel Management, Da-Yeh University; Yu-Lun Hsu, Department of Tourism, Nan Jeon University of Science & Technology, *The Characteristics of Ecological Alameda's Spatial Structure in Shoushan National Nature Park, Taiwan.*

Kara E Collier*, University of Colorado-Denver, *A Spatial Characterization of Chinook Spawning Habitat.*

Nathan Mosurinjohn*, University of Oregon; Christopher Bone, PhD, University of Oregon, *Remote sensing of shrimp aquaculture in coastal Thailand.*

Youngsang Kwon*, University of Memphis, *Assessment on synoptic climate variables to forest carbon use efficiency in eastern USA.*

Yili ZHANG*, Institute of Geographic Sciences and Natural Resources Research (IGSNRR), CAS; Wei QI, Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101, China; Caiping ZHOU, Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101, China; Mingjun DING, Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101, China, *Spatial and temporal variability in the net primary production of alpine grassland on the Tibetan Plateau since 1982.*

Barbara Edwards*, Jacksonville State University; Stephen G. Tsikalas, Jacksonville State University; Jimmy Triplett, Jacksonville State University; Kelly D. Gregg, Jacksonville State University, *The Quaternary contraction and expansion of biomes and the creation of distinctive populations of Arundinaria gigantea (river cane).*

Stephanie Pau, Ph.D.*, Florida State University; S. Joseph Wright, Ph.D., Smithsonian Tropical Research Institute, *Seasonal, interannual, and long-term variation in flowering of tropical forest life-forms.*

Linda R. Barrett*, University of Akron, *Topographic Patterns and the Shape of Soil Map Polygons.*

John Lackey*, Furman University; Weston R Dripps, Associate Professor, Furman University, *A Life Cycle Assessment of a Petroleum Based versus Biomass Based Polypropylene Plastic.*

Waleska V Manyari, Dr*, University of Brasilia; Waleska V Manyari, University of Brasilia, Brazil, *Downstream Environmental Impacts of Dams, Case Study Tucuruí Hydroelectric Plant in the Amazon Region.*

Julie A Snow*, Slippery Rock University; Jack Livingston, Slippery Rock University; Gregory C Gray, Slippery Rock University; Ellis Neilly, Slippery Rock University, *Examining the relative impact of local and global mercury sources in Pennsylvania.*

Sean Spendley*, Keene State College; Emily Francis, Keene State College; Charles Babcock, Keene State College, *Air Quality and Home Heating Analysis: Keene, NH.*

Matthew Hess*, John Hintz, Dr., Bloomsburg University; Craig Dalton, Dr., Bloomsburg University, *The Influences of Socioeconomic Factors on the Location of Drilling*

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- Sites in the Marcellus Shale Region of Pennsylvania..*
Andrei Kushkin*, University of Northern Iowa; Andrey Petrov, Dr., University of Northern Iowa, department of geography, *Visualizing environmental characteristics of the wind farm site.*
- Marcelo E Delaneze*, Universidade Estadual Paulista - UNESP; Paulina Setti Riedel, Universidade Estadual Paulista - UNESP; Mateus V Ferreira, Universidade Estadual Paulista - UNESP, *Modeling spatial dynamics applied to assessment of urban growth using weights of evidence and cellular automata in the vicinity of pipelines in Rio de Janeiro State, Brazil..*
- Matthew Ellis*, Texas Christian University, *Walmart Locations and Drilling in the Eagle Ford Basin.*
- Ian S Macpherson*, SUNY Geneseo, *Evaluating Large-Scale Renewable Energy Projects in Sub-Saharan Africa.*
- Shannon McEwen*, Western Michigan University, *No Fracking Way! A Study on the Spatial Patterns of and Changes in Perception and Distance from a Michigan Horizontal Hydraulic Fracturing Site.*
- Qifeng Wang, phd candidate*, The university of toledo; Peter S Lindquist, Associate Professor, Department of Geography and Planning, *RouteInfo - A Python Based GIS System for Transportation Planning and Analyzing.*
- Brian Cote, Keene State College; Mike Harpool, Keene State College; Brian Jones, Keene State College; Abby Martelle*, Keene State College, *The Ultimate Commute: An Assessment of Bike Path Conditions in Keene N.H..*
- Dudley B. Bonsal*, University of Minnesota, *Pattern Analysis of Aircraft Flight Tracks: An Exploration of Event-Based Representation.*
- Timothy Vowles*, Colorado State University; Daniel P. Mertens, University of Central Oklahoma, *Gateway Airports and International and Regional Connectivity of Air Transport in Asia-Pacific.*
- Thomas Wickle*, Oklahoma State University; Jonathan Comer*, Oklahoma State University, *Community Access to General Aviation and the Impacts of Airport Closures, 1991-2011.*
- Bailang Yu*, East China Normal University; Kaifang Shi, East China Normal University; Jianping Wu, East China Normal University, *Potentials of NPP-VIIRS Nighttime Light Data for Estimating Gross Domestic Product and Electric Power Consumption of China at Multiple Scales: a Comparison with DMSP-OLS data.*
- 2562. Conversations with the AAG Healthy Departments Committee and the AAG Diversity Ambassadors**
Room: Florida Salon I, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Patricia A. Solís, Association of American Geographers; Nathan J. Sessoms, University of Southern California
CHAIR(S): Alexander Murphy, University of Oregon
Discussant(s): Alexander Murphy, University of Oregon
Panelists: JW Harrington, University of Washington Tacoma; Sarah Bednarz, Texas A&M University; Brittany Davis, University of Arizona; Patricia A. Solís, Association of American Geographers; Nathan J. Sessoms, University of Southern California; Nekya Young, Texas Southern University; Darryl T. Cohen, U.S. Census Bureau
- 2565. Federal Geospatial Policy: The Role of Geographers (Sponsored by GIScience, GIS, and Public Policy)**
Room: Florida Salon IV, Marriott, Second Floor (Panel Session)
CHAIR(S): Robert F. Austin, City of Tampa
Panelists: Robert F. Austin, City of Tampa; David Cowen, University Of South Carolina; Ivan DeLoatch, FGDC; John Wertman, AAG
- 2566. Featured Session: Proliferation of Weapons of Mass Destruction in the Middle East: The Case of Iran (Sponsored by Middle East Specialty Group)**
Room: Florida Salon V, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Kamal Alsharif, University of South Florida, School of Geosciences
CHAIR(S): Kamal Alsharif, University of South Florida, School of Geosciences
2:40 Moshen M. Milani*, USF World Center for Strategic & Diplomatic Studies (CSDS), *Proliferation of Weapons of Mass Destruction in the Middle East: The Case of Iran.*
- 2568. Teaching Geography Critically II**
Room: Meeting Room 1, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Amanda Huron, University of the District of Columbia; Jesse Goldstein, Graduate Center, CUNY
CHAIR(S): Beatriz Bustos, Universidad de Chile
Panelists: John Paul Catungal, University of Toronto; Melissa Y Rock, Bucknell University; Salvatore Engel-DiMauro, SUNY New Paltz; Lis Pankl, Kansas State University; Michelle Palma, University of Wisconsin-Waukesha
- 2569. Geographies of Media 3: Music Geography (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: Meeting Room 2, Marriott, Second Floor (Paper Session)
ORGANIZER(S): John Finn, Christopher Newport University; Joseph Palis, North Carolina State University
CHAIR(S): Tyler Sonnichsen, University of Tennessee
2:40 Tyler Sonnichsen*, University of Tennessee, *The Boston I Knew is Lying on the Ground: Reinterpreting Boston Landscapes Through Song.*
3:00 Rex Rowley*, Illinois State University, *Evoking Las Vegas Place Particularity and Typicality through Popular Music.*
3:20 Ola Johansson*, University of Pittsburgh at Johnstown, *Lost in Translation? The Role of Place in Swedish and American Music Media.*
3:40 Deborah J. Thompson, Ph.D.*, Berea College, *Performing Gender in Eastern Kentucky's Old Time Music Community.*
- 2571. Chinese Migration and Transnational Migration (Sponsored by China Specialty Group)**
Room: Meeting Room 4, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Guo Chen, Michigan State University
CHAIR(S): Jia Feng, Michigan State University
2:40 Ye LIU, Doctor*, University of Lethbridge; Wei Xu, Professor, University of Lethbridge, *Destination Choices of Permanent and Temporary Migrants in China: The Changing Roles of Jobs and Amenities.*
3:00 Nan Ding*, SUNY Buffalo, *International Students and Local Economies.*
3:20 Lirong Kou*, School of Tourism, Sun Yat-sen University; Honggang Xu, School of Tourism, Sun Yat-sen University; Yuefang Wu, School of Tourism, Sun Yat-sen University, *The Integration of Tibetan Retirement Migration in Chengdu.*
3:40 Shaolu Yu*, University of Connecticut, *The (Im)mobility of Chinese Immigrants in Flushing, Queens, New York City in Transnational Era -From a Place-based Perspective.*
- 2572. Regional Development, Inequality and Policy in China II (Sponsored by China Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)**
Room: Meeting Room 5, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Yehua Wei, University of Utah; Wei Xu, University Of Lethbridge
CHAIR(S): Wei Xu, University of Lethbridge

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2:40 Weidong Liu*, Chinese Academy of Sciences, *An Introduction to the Governance Structure behind Regional Development in China.*

3:00 Juncheng Zhu*, School of Resource Environment Science and Engineering, Hubei University of Science and Technology, Xianning, Hubei, China 437100; Juncheng Zhu, Department of Geography, University of Lethbridge, Lethbridge, Alberta, Canada T1K 3M4; Wei Xu, Department of Geography, University of Lethbridge, Lethbridge, Alberta, Canada T1K 3M4, *Evolving geography of auto industry in the Yangtze River Delta.*

3:20 Xiang KONG*, The Center for Modern Chinese City Studies, East China Normal University; Lin LING, *Influence of Public Space in Community on Residents' sense of place in the Construction of New Development Zones.*

3:40 Yexi Zhong*, Jiangxi Normal University; Jie Huang, Jiangxi Normal University; Yuzhao Wen, Jiangxi Normal University, *Spatial Pattern Changes of Chinese Cities' Accessibility Based on Railway Network.*

4:00 Canfei He*, Peking University, *China's Outward Direct Investments: Where Are They Searching for Opportunities?.*

2573. Tourism, Development and Sustainability (Sponsored by Recreation, Tourism, and Sport Specialty Group, Scale and Sustainability)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Jarkko Saarinen, University of Oulu; Alison M Gill, Simon Fraser University
CHAIR(S): Jarkko Saarinen, University of Oulu

2:40 Maliha Majeed*, *Examining Determinants of Vulnerability and Adaptive Capacity: A case study of tourism and fisheries in Negril, Jamaica.*

3:00 Cole Anwyl Walters*, University of Maryland, College Park, *Observational Land Use Analysis of the Badaling Corridor and the Effects of Tourism Development.*

3:20 Monica Elena Ortiz Liñán, MES*, National Autonomous University of Mexico UNAM, *Territorial perspective of Tourism Carrying Capacity in the state of San Luis Potosi, Mexico.*

3:40 Eric C Ewert, PhD*, Weber State University, *"From Bleak to Bonanza: Puerto Peñasco, a Tourist Boomtown in the Mexican Desert".*

4:00 Alan A Lew, PhD, AICP*, Northern Arizona University, *Understanding and Applying Fast and Slow Resilience for Rural Tourism.*

2574. Uncomfortable companions: living and dying with awkward creatures (Sponsored by Animal Geography Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Franklin Ginn, University of Edinburgh; Maan Barua, University of Oxford
CHAIR(S): Franklin Ginn, University of Edinburgh

2:40 Kristin Cutler*, Syracuse University, *Pets in the City: Managing Surplus Dogs in Syracuse, New York.*

3:00 Monica A Hoffman*, University of California, San Diego, *De-snag our River: Using Malaria to Get Government Improvements for the Flint River in the 1930 and 40s.*

3:20 Callie Boyle*, Montana Tech University, *The Geography of humans and the urban pigeon: population and social tolerance of urban ecology.*

3:40 Krithika Srinivasan*, University of Exeter, *Risky/ing living: Thought experiments on living with more-than-human difference.*

4:00 Sarah Watson*, University of Kentucky, *Encountering beekeepers and bees: Exploring Socio-natural Relations of Female Beekeepers Working in Kentucky.*

2577. The Southern Plantation Museum: The "Tough Stuff" of

Heritage Tourism Research II: The Museum Experience (Sponsored by Study of the American South Specialty Group, The American South, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
ORGANIZER(S): David Butler, University Of Southern Mississippi; Derek H. Alderman, University of Tennessee

CHAIR(S): Derek H. Alderman, University of Tennessee

2:40 David Butler*, University Of Southern Mississippi, *Memory, Slavery and the Demographics of Planation Tourism Museum Visitors.*

3:00 E Arnold Modlin*, Norfolk State University, *Touching the Past in Plantation House Museums.*

3:20 Amy E Potter*, Armstrong Atlantic State University, *Beyond Passive Participation: Docent Agency and Slavery in Louisiana Plantation Tours.*

3:40 Angel David Nieves, Ph.D.*, Hamilton College; Alyson A Gill*, Arkansas State University, *Creating a Greater Sense of Place: The Virtual Museum (The Lakeport Plantation).*

2578. The Natural and Human Structuring of Rivers and other Geomorphic Systems IV: A Special Session In Honor of Will Graf (Sponsored by Geomorphology Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Bruce Rhoads, University Of Illinois; Mark Fonstad, University of Oregon
CHAIR(S): Joann Mossa, University of Florida

2:40 Robert T Pavlowsky*, Missouri State University; Scott Lecce, East Carolina University, *Downstream changes in alluvial sediment storage and mining-metal contamination in Viburnum Trend streams, southeast Missouri.*

3:00 Jason P Julian, PhD*, Texas State University, *Geography, Terns in the river: Historical changes and bio-hydro-geomorphic feedbacks along a large floodplain-river system in the Southern Plains from 1820 to 2008.*

3:20 John Kupfer*, University of South Carolina, *Connectivity in Aquatic and Riparian Landscapes: A Southeastern Perspective.*

3:40 Anne Chin*, University of Colorado Denver; Joan L Florsheim, University of California, Santa Barbara; Ellen Wohl, Colorado State University; Brian D Collins, University of Washington; Gregory L Simon, University of Colorado Denver, *Feedbacks in Human-Landscape Systems.*

2579. Session III: Disciplining the Transnational Mobility of People: Actors, Tactics, Technologies (Sponsored by Political Geography Specialty Group, Population Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Martin Geiger, Carleton University; Bethany Hastie, Emily Gilbert, University of Toronto
CHAIR(S): Martin Geiger, Carleton University

2:40 Martin Lemberg-Pedersen*, University of Copenhagen, *Borderscapes Incorporated. Private security companies and EU border control.*

3:00 Simon Sontowski*, Department of Geography, University of Zurich, Switzerland, *Assembling biometric sorting machines. On corporate actors and material devices in the emerging EU automated border control.*

3:20 Reece Jones*, University of Hawaii at Manoa, *Border militarization in the US and EU.*

3:40 Maegan Hendow*, International Centre for Migration Policy Development; Albert Kraler, International Centre for Migration Policy Development, *Smart Borders: Comparing the use of new technology in border controls in the US and EU.*

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4:00 Luigi G Sulmona, PhD*, University of British Columbia; David W. Edgington, PhD, University of British Columbia, *The Role of Advanced Border Controls at Canadian Airports.*

2580. Exploring the Geographical Dimensions of Biogeochemistry: Ecosystem Processes in a Heterogeneous World II (Sponsored by Human Dimensions of Global Change Specialty Group, Biogeography Specialty Group, Water Resources Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Jonathan Duncan, UNC Chapel Hill; Alexandra Ponette-González, University of North Texas

CHAIR(S): Alexandra Ponette-González, University of North Texas

2:40 Brenden E. McNeil*, West Virginia University; Bradley P. Breslow, West Virginia University; Amy E. Hessel, West Virginia University; Richard B. Thomas, West Virginia University; Mark P. Burnham, West Virginia University; William T. Peterjohn, West Virginia University, *Dendroisotopes describe contrasting responses to atmospheric deposition within two central Appalachian tree species.*

3:00 Allison Dunn, Ph. D.*, Worcester State University; Lucy R. Huttyra, Ph. D., Boston University; Brittain M. Briber, Boston University; Steve M. Raciti, Ph. D., Boston University; Victoria Dearborn, Boston University; Nicole Volk, Worcester State University; Ronald Salmonson, Worcester State University, *Carbon Dynamics Following Land-use Change across an Urbanization Gradient.*

3:20 Merrin L. Macrae, PhD*, University of Waterloo, *Temporal patterns in hydrologic connectivity in agricultural landscapes and implications for biogeochemical transport.*

3:40 Melinda D. Daniels, PhD*, Stroud Water Research Center; Louis A. Kaplan, PhD, Stroud Water Research Center, *Riverscape Forcing Of Hot Spots, Hot Moments And Carbon Sequestration In A Topographically Complex Watershed.*

4:00 Jonathan Duncan*, UNC Chapel Hill; Lawrence Band, UNC Chapel Hill; Peter Groffman, Cary Institute of Ecosystem Studies; Brian Lutz, Kent State University; Mary Beth Adams, USFS; Emily Berhardt, Duke University; Beth Boyer, Penn State University; Doug Burns, USGS; Chris Duffy, Penn State University; Mark Green, Plymouth State University; Irena Creed, Western University; Natalie Griffith, USDOE, Oak Ridge National Lab; Gene Likens, Cary Institute of Ecosystem Studies; Jennifer Knoepp, USFS; Jamie Shanley, USGS; Christina Tague, UC Santa Barbara; Kyle Whittinghill, University of New Hampshire; Wil Wollheim, University of New Hampshire, *Understanding the Seasonality of Nitrate Export: Synthesizing From Cores to Catchments to Continents.*

2581. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 2 of 3)

Room: Meeting Room 12, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Daniel Hammel, NSF; Kelley Crews, University of Texas

CHAIR(S): Thomas Baerwald, National Science Foundation

2582. Health Geography: The challenges of care in the community for vulnerable populations (Sponsored by Health and Medical Geography Specialty Group, Disability Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Rachel Herron, Queen's University; Mark W. Rosenberg, Queen's University

CHAIR(S): Rachel Herron, Queen's University

2:40 Rajendra Subedi*, Queen's University; Mark W. Rosenberg, Queen's University, *Health care accessibility and health status of immigrant population working in various occupations in the city of Ottawa, Canada.*

3:00 Stine Hansen*, McMaster University, *Exploring the prevalence and perception of visual impairment and disability among Canada's immigrant population.*

3:20 Kate Lester*, University of North Texas, *Dismantling the Psychiatric Ghetto?: Evaluating Houston's proposed supportive housing initiative.*

3:40 Rachel Herron*, Queen's University, *Negotiating care for dementia in rural and small-town Ontario, Canada.*

4:00 Daniel Harrington*, Queen's University; Mark W. Rosenberg, PhD, Queen's University; Kathi Wilson, PhD, University of Toronto Mississauga, *Health status and access to healthcare across large Canadian cities: Does city of residence matter?.*

WEDNESDAY, APRIL 9 • 4:40 PM - 6:20 PM • 2600**2601. Historical Political Ecology 5: A Panel discussion on New Approaches to Resource Conflicts and Coordination in Past Landscapes with Implications for the Present (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Historical Geography Specialty Group)***Room: Room 1, TCC, First Floor (Panel Session)*

ORGANIZER(S): Martha Bell, Pennsylvania State University; Karl Zimmerer, Pennsylvania State University

CHAIR(S): Karl Zimmerer, Pennsylvania State University

Introducer: Martha Bell

Panelists: Dawn Biehler, University of Maryland Baltimore County; Christian Brannstrom, Texas A&M University; Robert Wilson, Syracuse University; Kendra McSweeney, The Ohio State University; William E Doolittle, University of Texas; Chris Sneddon, Dartmouth College

2603. Healthy Urban Living: an international perspective III (Sponsored by Urban Geography Specialty Group, Health and Medical Geography Specialty Group)*Room: Room 3, TCC, First Floor (Paper Session)*

ORGANIZER(S): Martin Dijst

CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign

4:40 Jeremy Mennis*, Temple University; Michael Mason, Ph.D., Virginia Commonwealth University; John Light, Ph.D., Oregon Research Institute; Julie Rusby, Ph.D., Oregon Research Institute; Erika Westling, Ph.D., Oregon Research Institute; Thomas Way, Ph.D., Villanova University, *Integrating Ecological Momentary Assessment (EMA) with GPS Data to Study Geographic Characteristics of Adolescent Substance Use: Preliminary Results.***5:00** Xue Ying Tan*, National University of Singapore, *Emotional living in the city: Understanding the role of emotions in affecting the liveability of Singapore for people with mobility problems.***5:20** Jessica Finlay*, University of Minnesota, *Active Aging and Abandonment: Exploring the Health and Welfare of Older Adults in Urban America.***5:40** Dick Ettema*, *Well-being, mental health and accessibility: The role of the residential environment and the mediating role of activity patterns.***2604. More Public than Private: Toilet Adoption and Menstrual Hygiene Management II (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Development Geographies Specialty Group)***Room: Room 4, TCC, First Floor (Paper Session)*

ORGANIZER(S): Kathleen O'Reilly, Texas A&M University

CHAIR(S): Sarah Jewitt, University of Nottingham

4:40 Harriet Ryley, School of International Development, University of East Anglia; Sarah L. Jewitt, PhD*, University of Nottingham, *It's a girl thing: menstruation, school attendance, spatial mobility and wider gender inequalities in Kenya.***5:00** Clara Greed, PHD MRTPI*, UWE Bristol, *Global Gendered Toilet Provision.***5:20** Abigail Leigh Brown, PhD Student*, University of California Santa Cruz, *Bathed in Modernity: Spatial Relegation of Houseless Individuals and Liberatory Approaches for Water and Sanitation in Group Camps in the United States.*

Discussant(s): Marni Sommer, Columbia University

2605. Geographies of Mobility VIII: Methodological Developments (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)*Room: Room 5, TCC, First Floor (Paper Session)*

ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-

Champaign; Tim Schwanen, University of Oxford
CHAIR(S): Tim Schwanen, University of Oxford**4:40** Li Xu*, University of Illinois at Urbana-Champaign; Mei-Po Kwan, University of Illinois at Urbana-Champaign, *Improving the Spatial Accuracy of Mobile Positioning Data Based on Fine-Scale Human Mobility Pattern Analysis.***5:00** Brittany Wood*, Florida State University; Mark Horner, PhD, Florida State University, *Time Geographic Analysis of Taxicab GPS traces.***5:20** RUOJING W SCHOLZ*, Texas State University; Yongmei Lu, Texas State University, *Space-time modeling and visualization of individual travel-activity patterns from GPS trajectory data.***5:40** Michael Bauder*, Institute for Environmental Social Sciences and Geography, University of Freiburg, *Toward an integrated analysis of spatial visitor behavior using advanced GPS tracking and crowdsourcing photo data.***6:00** Joni Downs*, University of South Florida, *Quantifying spatio-temporal interactions using probabilistic space-time prisms.***2606. Violence, Security, and Conservation***Room: Room 6, TCC, First Floor (Paper Session)*

ORGANIZER(S): Alice B Kelly, University of California, Berkeley; Rosaleen Duffy, SOAS University of London

CHAIR(S): Alice B Kelly, University of California, Berkeley

4:40 Francis Masse, PhD Student*, York University; Elizabeth Lunstrum, Associate Professor, York University, *Accumulation by Securitization: Neoliberal Conservation and the Creation of New Wildlife Frontiers.***4:50** Rod Neumann*, Florida International University, *Bio-Power and the Violence of Displacement: A (Historical) Political Ecology of Two National Parks.***5:00** Megan Ybarra*, Willamette University, *The Geopolitics of Border Parks.***5:10** Rosaleen Duffy*, SOAS University of London, *Militarising Conservation: Intervention, Violence and the War for Biodiversity.***2607. Special session Retail & Leisure in Urban Geography and Urban Planning - III (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)***Room: Room 7, TCC, First Floor (Paper Session)*

ORGANIZER(S): Herman Kok, Multi Development

CHAIR(S): Herman Kok, Multi Development

Introducer: Herman Kok

4:45 Herman Kok*, Multi Development, *City revitalization: a new center or renewing the center? The cases of Oberhausen and Duisburg in Germany.***5:05** Jan Amcoff, Uppsala University; Anders Waxell*, Uppsala University, *Retail relocation: Mapping changes of inner city retail and external retail locations in Sweden.***5:25** Azadeh HadizadehEsfahani*, Clark University, *Exploring a people-centered approach to urban redevelopment in Melbourne Docklands.***5:45** Kevin Drain*, University of Helsinki, *Beginnings of Gentrification in Helsinki's Kallio District.*

Discussant(s): Tuna Tasan-Kok, TUDelft

2608. Geographically Weighted Regression (GWR) 2 (Sponsored by Spatial Analysis and Modeling Specialty Group)*Room: Room 8, TCC, First Floor (Paper Session)*

ORGANIZER(S): Jorge V. Ruiz, Universidad Pedagógica Y Tecnológica De Colombia

CHAIR(S): Mark Brady, Penn State University

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Introducer: Jorge V. Ruiz

4:45 Bo Xu*, California State University San Bernardino, *Spatial analysis of farming viability and its contributing factors in California.*

5:05 Viktor Kveton*, Charles University in Prague, *The Geographical Effects of Car Ownership on Employment: case study from Czechia.*

5:25 Mark A Brady*, Pennsylvania State University; Justine Blanford, Ph.D., Pennsylvania State University, *Identifying the Spatially Dynamic Variables Affecting the Distribution of West Nile Virus in Pennsylvania.*

Discussant(s): Mark Brady, Penn State University

2609. FQG: Race, Biopolitics, and the Future Panel (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group, Racism and Violence)

Room: Room 9, TCC, First Floor (Panel Session)

ORGANIZER(S): Sara H. H. Smith, University of North Carolina; Pavithra Vasudevan, University of North Carolina, Chapel Hill

CHAIR(S): Pavithra Vasudevan, University of North Carolina, Chapel Hill

Introducer: Pavithra Vasudevan

Discussant(s): Julie Guthman, Univ of California Santa Cruz; Laura Liu, The New School; Joshua Inwood, University of Tennessee

Panelist: Zakiyyah Jackson; Stevie Larson

2610. alt.conference on Big Data: Lightning Talk Discussion (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Communication Geography Specialty Group)

Room: Room 10, TCC, First Floor (Panel Session)

ORGANIZER(S): Jim Thatcher, Clark University; Andrew Shears, University of Wisconsin-Fox Valley

CHAIR(S): Josef Eckert, University of Washington

Discussant(s): Michael F. Goodchild, University of California - Santa Barbara; Daniel Sui, The Ohio State University

Panelists: Matthew W. Wilson, University of Kentucky; Mark Graham, University of Oxford; Rob Kitchin, National University Of Ireland; Renee Sieber, McGill University

2611. Regionalism, Regional Integration and Economic Development in Africa (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Joseph Oppong, University of North Texas; Kobena T HANSON, African Capacity Building Foundation

CHAIR(S): Florence Margai, Binghamton University

4:40 Benjamin Ofori-Amoah*, Western Michigan University, *Regional Integration and Africa's Development: Past, Present, and Future.*

5:00 Kobena T HANSON*, African Capacity Building Foundation, *Infrastructure Development as a Catalyst for Regionalism and Economic Integration in Africa.*

5:20 Joseph R Oppong, PhD*, University of North Texas; Warankana Ruckthongsook, University of North Texas, *Science and Technology in African Regional Integration and Economic Development.*

5:40 Godwin Arku*, The University of Western Ontario; Paul Mkandawire, Carleton University; Hanson Nyantakyi-Frimpong, The University of Western Ontario; Fredrick Armah, The University of Western Ontario; Isaac Luginaah, The University of Western Ontario, *African Regional Integration: Assessing the implications for Food Security and Economic Development.*

Discussant(s): William Moseley, Macalester College

2612. Spatiotemporal Thinking, Computing and Applications 9: GeoVisualization (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Chaowei Yang, George Mason University; Diansheng Guo, UNIVERSITY OF SOUTH

CAROLINA; Weihe Wendy Guan, Harvard University

CHAIR(S): Chaowei Yang, George Mason University

4:40 Giovanni Zambotti, Center for Geographic Analysis, Harvard University; Benjamin Lewis, Center for Geographic Analysis, Harvard University; Weihe Wendy Guan*, Center for Geographic Analysis, Harvard University, *The Development of Historical Data Visualization - a spatiotemporal web application supporting teaching and learning at the Harvard Business School.*

5:00 Wayne Forsythe*, Department of Geography, Ryerson University; Meghan McHenry, Department of Geography, Ryerson University; David M Atkinson, Department of Geography, Ryerson University; Joseph M Aversa, Department of Geography, Ryerson University; Stephen J Swales, Department of Geography, Ryerson University; Peter Kedron, Department of Geography, Ryerson University; Daniel J Jakubek, Library, Ryerson University, *Utilizing Bathymetry Data for the Geovisualization of Contaminated Sediment Patterns in the Laurentian Great Lakes of North America.*

5:20 Sandro Laudaes, Dr.*, PUC Minas; João Francisco Abreu, Phd, PUC Minas, *Web Geovisualization: A methodological approach based on generic web components.*

5:40 Bradley D Macpherson*, Ryerson University, *A Web-based Visualization of Weighted Centrality Scores Using TileMill and MapBox.*

6:00 Xiaoling Li*, Cornell University, *Urban Green Spaces Site Selection: A Capacitated Location Modeling approach and Its Visualization.*

2614. Ethical and Practical Implications of Internships in Geography (Sponsored by Private/Public Affinity Group, Jobs and Careers, Graduate Student Affinity Group)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Stephanie Kozak, University of Kansas

Panelists: Bill Hodge, City of Midland; Mark R Hafen, Univ of South Florida; William Gribb, University Of Wyoming; Jean Eichhorst, University of Kansas; Jochen Albrecht, Hunter College CUNY

2615. Geoarchaeology: Novel Approaches to Analysis (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Gregory Pope, Montclair State University; Casey D Allen, University of Colorado - Denver; Timothy Beach, Georgetown University

CHAIR(S): Casey D Allen, University of Colorado - Denver

4:40 Valery Terwilliger*, University of Kansas; Zewdu Eshetu, University of Addis Ababa; Roland Zech, ETH Zurich; Jeremy Jacob, Institute des Sciences de la Terre Orleans; Marilyn Fogel, University of California, Merced, *Large Paleoenvironmental Insights from Tiny Molecules That "Don't do Anything": Lessons from French and Ethiopian Deposits..*

5:00 Daniel G Cole*, Smithsonian Institution; Catherine (Ke) Chen, East Tennessee State University, *Visualization and Spatial Analyses of Selected Archaeological Sites within the Landscapes of Western Mongolia.*

5:20 Jonathan Flood*, University of Texas at Austin, *Water Chemistry and Oracular Phenomenon in the Temples*

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of Apollo at Delphi, Didyma, and Claros.

- 5:40** E. Christian Wells*, University of South Florida; Lisa J. LeCount, University of Alabama; Thomas R. Jamison, Hartgen Archeological Associates, Inc.; Kara A. Fulton, University of South Florida; David W. Mixer, Washington University in St. Louis, *Ancient Maya Urban Soilscapes as Geochemical Reservoirs: Characterization of Lime-plaster Surfaces from the Palace Complex at Actuncan, Belize.*

2616. Climate Change and Indigenous Peoples (Part 4): Environmental Justice and the Water-Energy Nexus Panel Discussion (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Energy and Environment Specialty Group, Indigenous Peoples Specialty Group)

Room: Room 16, TCC, First Floor (Panel Session)

ORGANIZER(S): Dr. Emma S. Norman, Michigan Technological University; RDK Herman, National Museum of the American Indian

CHAIR(S): Dr. Emma S. Norman, Michigan Technological University

Introducer: Dr. Emma S. Norman

Discussant(s): RDK Herman, National Museum of the American Indian

Panelists: Rita Asgeirsson; Paulette Blanchard, Oklahoma University Geography & Environmental Sustainability; Zoltan Grossman, The Evergreen State College; Randy A. Pepler, University of Oklahoma

2617. GIS Specialty Group Student Paper Competition Session II (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Somayeh Dodge, University of Colorado Colorado Springs

CHAIR(S): Somayeh Dodge, University of Colorado Colorado Springs

4:40 Feng Ni*, University of Texas at Dallas; Fang Qiu, University of Texas at Dallas; Jie Chang, ESRI, *Feature Extraction based on LiDAR Point Cloud Segmentation, Filtering and Classification.*

5:00 Dan Milz*, University of Illinois at Chicago; Moira Zellner, PhD, University of Illinois at Chicago; Charles Hoch, PhD, University of Illinois at Chicago; Joshua Radinsky, PhD, University of Illinois at Chicago; Kelsey Pudlock, University of Illinois at Chicago; Leilah B. Lyons, PhD, University of Illinois at Chicago, *Reconsidering Scale: Using GIS to Inform Spatial Planning Talk.*

5:20 Zhongxia Li*, Texas A&M University, *Dynamic region-based attribute weighting probabilistic geocoding.*

2619. Climate Risk Management II (Sponsored by Geographies of Climate Change)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Asher Siebert, Rutgers University

CHAIR(S): Asher Siebert, Rutgers University

4:40 Alicia F Tyson, M.A., M.S.*, USGS/Arapahoe Community College, *Exploratory Approach to Addressing Challenges of Natural Hazards Management in Machu Picchu Pueblo, Peru - GIS Prototype Modeling of Landslide Susceptibility and Risk Perception.*

5:00 Boyowa Chokor*, University of Benin, *Expanding the Social Horizons of Climate Change Management in Africa with Lessons for Global Efforts.*

5:20 Brenda Murphy, PhD*, Wilfrid Laurier University; Annette Chretien, PhD, Wilfrid Laurier University, *Maple Syrup and Climate Change: Tapping into Knowledge(s) about Impacts, Adaptation and Resilience.*

Discussant(s): Michael Brady, Rutgers University Geography

2620. Symposium on Synergistic Advances of CyberGIS and Geography: CyberGIS for Taming Big Data (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; E. Lynn Usery, U.S. Geological Survey

CHAIR(S): Michael Finn, United States Geological Survey

4:40 E. Lynn Usery*, U.S. Geological Survey, *Research for the Three-Dimensional Elevation Program.*

5:00 Han Qin*, George Mason University; Matt Rice, George Mason University; Kevin M. Curtin, George Mason University; Fabiana Paez, George Mason University, *Crowdsourcing to support navigation for the disabled interactive on the George Mason University Fairfax campus.*

5:20 Yizhao Gao*, UIUC; Shaowen Wang, UIUC; Anand Padmanabhan, UIUC, *Spatiotemporal Event Detection using Massive Social Media Data.*

5:40 Konstantin Greger*, University of Tsukuba; Yuji Murayama, University of Tsukuba, *Spatio-Temporal Analysis of Bicycle Commuting Behavior in the Greater Tokyo Area Using a Micro-Scale Persontrip Database.*

2621. GSAG Plenary with Rich Heyman: "Professionalization, activism, and the GSAG" (Sponsored by Jobs and Careers, Graduate Student Affinity Group)

Room: Room 21, TCC, First Floor (Panel Session)

ORGANIZER(S): Marina Islas, University of Texas at Austin

CHAIR(S): Marina Islas, University of Texas at Austin

Panelists: Richard Heyman, University of Texas at Austin

2622. Political Geography Plenary: Intimate War (Sponsored by Political Geography Specialty Group)

Room: Room 22, TCC, First Floor (Panel Session)

ORGANIZER(S): Philip Steinberg, Florida State University

CHAIR(S): Philip Steinberg, Florida State University

Introducer: Philip Steinberg

Discussant(s): Vanessa Massaro, Penn State University; Richelle Bernazzoli, University of Illinois, Urbana-Champaign; Laura Sjoberg, University of Florida

Panelists: Rachel Pain, University of Durham

2623. James Blaut Award and Memorial Lecture (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Room 23, TCC, First Floor (Panel Session)

ORGANIZER(S): Jamey Essex, University of Windsor

CHAIR(S): Jamey Essex, University of Windsor

Introducer: Jamey Essex

4:50 Patricia Daley

2624. Connecting the Social and the Religious, New Spaces of Inquiry (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group)

Room: Room 24, TCC, First Floor (Paper Session)

ORGANIZER(S): Sarah A Soliman, University of Kentucky

CHAIR(S): Sarah A Soliman, University of Kentucky

4:40 John S. Benson*, Minnesota State University Moorhead, *Faith of Our Fathers Living Still?: A Comparison of the Religious Development of Children of Missionaries to their Parents..*

5:00 Chad Emmett*, Brigham Young University, *It's not the Book of Mormon Musical: How the Mormon Church has grown in Indonesia..*

5:20 Vincent Artman*, University of Kansas, *The Manas Epic, National Identity, and Islam in the Kyrgyz Republic.*

5:40 Julia Wood*, University of Mary Washington, *Gendered understandings of the lived religious experience:*

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- Exploring emotional responses through sacred space.*
6:00 Sarah A Soliman*, University of Kentucky, *Finding Community: Identity and Belonging for American-Born Converts to Islam.*
- 2626. 2014 Antipode Annual Lecture--Rinaldo Walcott: Zones of Black Death: Institutions, Knowledges, and States of Being (Sponsored by Racism and Violence, Wiley)**
Room: Ballroom A, TCC, First Floor (Paper Session)
 ORGANIZER(S): Katherine McKittrick, Queen's University
 CHAIR(S): Katherine McKittrick, Queen's University
4:40 Rinaldo Walcott*, *Zones of Black Death: Institutions, Knowledges, and States of Being.*
- 2630. Hurricane IV: Risk, Vulnerability and Policy (Sponsored by GIScience, GIS, and Public Policy, Coastal and Marine Specialty Group)**
Room: Room 30A, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
 CHAIR(S): Harry Williams, University of North Texas
 Introducer: Harry Williams
5:00 Fang Zhang*, Florida State University, *Integrated Hurricane Vulnerability for Hurricane Sandy in New York City.*
5:20 Karen Wertz*, Florida State University, *Rhode Island Hurricane Evacuation Planning Study.*
5:40 Kelsey N. Scheitlin*, University of Tennessee; Jill C. Trepanier, Louisiana State University; Robert E. Hodges, Florida State University, *Using synthetic hurricane tracks to characterize extreme hurricane events for Charleston, South Carolina.*
6:00 Melissa Wagner*, Arizona State University; Joanna Merson, Arizona State University, *The Role of Ian McHarg's Land Use Suitability in Hurricane Sandy.*
- 2631. Politics and the implementation of landscape laws and regulations (Sponsored by Political Geography Specialty Group, Landscape Specialty Group, European Specialty Group)**
Room: Room 31, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Stephanie Wilbrand, University of Wisconsin - Madison; Kara Dempsey, DePaul University
 CHAIR(S): Stephanie Wilbrand, University of Wisconsin - Madison
4:40 Jennifer L. Titanski-Hooper, PhD Candidate*, Penn State University, *'The Belly of Zagreb': The Changing Economic and Cultural Landscapes of Europeanization in Croatia.*
5:00 David J. Trimbach*, University of Kansas, *Borderland Citizenship in Narva, Estonia.*
5:20 Richard Ross Shaker, Ph.D.*, Binghamton University, State University of New York, *Assessing Sustainable Urbanization through Space and Time: Application of The Wellbeing of Nations Indices Across Europe.*
5:40 Tomas Havlicek*, Tomas Havlicek, *Development and transformation of religious landscape in Prague in context of global and European shifts.*
6:00 Stephanie Wilbrand*, University of Wisconsin - Madison; Kara Dempsey, DePaul University - Chicago, *A multi-scalar analysis of the European Landscape Convention.*
- 2632. Housing in an Aging and Diversifying North America**
Room: Room 32, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Deirdre Pfeiffer, Arizona State University
 CHAIR(S): Deirdre Pfeiffer, Arizona State University
4:40 Deane Richard Lycan*, Portland State University, *Forecasting Senior Populations.*
5:00 Deirdre Pfeiffer*, Arizona State University, *Multigenerational Geographies in the U.S.*
- 5:20** Barbara McNicol*, Mount Royal University; Romella Gloriosa, PhD, Glorioso, Moss and Associates, Kaslo, British Columbia, Canada., *Landscapes of Retirement in an Amenity Corridor Community: The Case of Canmore, Alberta.*
- 5:40** Guillaume Poirer*, Sorbonne University, *New suburban landscape in Canada? The case of Markham and Vaughan in the Toronto Region.*
- 6:00** Daniel Trudeau*, Macalester College, *Does the New Urbanism create diverse places?.*
- 2633. Urban Processes in Beijing and Detroit**
Room: Room 33, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Gang Xu, Department of Geography & Planning, Grand Valley State University
4:40 Fenglong Wang*, Hong Kong Baptist University; Donggen Wang, Hong Kong Baptist University, *Residential Satisfaction, Motivations to Move and Decisions to Move in Beijing, China.*
5:00 Yan Zhang*, The Institute of Beijing Studies, Beijing Union University; Zhilin Liu, School of Public Policy and Management of Tsinghua University, *The Spatial Mismatch of the Low-income in Transitional Urban China: Evidences from Beijing.*
5:20 Chun Zhang*, Beijing Jiaotong University, *A Study on Job-Housing Balance and Changes in Beijing: An empirical study using data from the 5th, 6th Census and Economy Census in 2001 and 2008.*
5:40 George C. Bentley, Ph.D.*, University of Connecticut; Priscilla McCutcheon, Ph.D., University of Connecticut; Dean M. Hanink, Ph.D., University of Connecticut, *Revisiting Fitzgerald in Detroit, Michigan.*
6:00 Gang Xu*, Department of Geography & Planning, Grand Valley State University, *What does the Rise and Fall of Detroit tell us?.*
- 2634. Geographies of Agriculture and Labor**
Room: Room 34, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Robert M Bridi
4:40 Han-Hsiu Chen*, Aberystwyth University, *Historical geography of tobacco industry in Taiwan: a materiality approach.*
5:00 Patrick Oabel*, University of British Columbia, *The Vicimicans of Sugarlandia: Worker Experiences during the Philippine Sugar Boom.*
5:20 Mohammad Amir Anwar*, University of Johannesburg, *Everything is coming up Roses? Karuturi's farms in Ethiopia.*
5:40 Mario Mighty, B.Sc., M.A.*, University of Florida, *An Examination of the Jamaican Coffee Industry Using Porter's Five Forces Model.*
6:00 Robert M Bridi*, *Migrant Workers in Ontario's Tobacco Belt: An Examination of Workplace Dynamics.*
- 2635. Japanese Cities in their Global Context (Sponsored by Asian Geography Specialty Group, Urban Geography Specialty Group)**
Room: Room 35, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): David Edgington, University Of British Columbia; Carola Hein
 CHAIR(S): David Edgington, University Of British Columbia
4:40 Languillon Raphaël*, University of Lyon; Languillon Raphaël, Lyon 2 University, *Urban maturity and central spaces in global Tokyo.*
5:00 Uta Hohn, Prof. Dr., Ruhr-University Bochum; Satomi Kiuchi, M.Sc., Ruhr-University Bochum; Uta Merkle, Dipl.-Ing. *, Technical University of Dortmund; Frank Roost, Dr., Technical University of Dortmund,

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Restructuring the Polycentric Metropolitan Region Kansai: Global Competition and Cooperative Governance.

- 5:20** Tomoko KUBO*, Gifu University; Michihiro Mashita, Graduate student, University of Tsukuba; Megumi Ishizaka, Graduate student, University of Tsukuba; Fumiya Kan, Graduate student, University of Tsukuba; Kazuki Kawamura, Graduate student, University of Tsukuba; Taiyo Yagasaki, Graduate student, University of Tsukuba, *A regional geographic approach to the empty-house problem in Japanese suburbs.*

- 5:40** Susan Paige Taylor*, The University of Tokyo, *"Books that Crossed the Ocean Again and Again" Used Book Unions and the Transcultural Book Market before 1945.*

- 6:00** Sayaka Fujii, Ph.D.*, University of Tsukuba; Andre Sorensen, Ph.D., University of Toronto, *Remaking Tokyo Global City: Private sector 'urban renaissance' projects in Tokyo.*

2636. Politics, Protests, Atrocities

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Richard Medina, George Mason University

- 4:40** Richard Medina*, George Mason University; Tom Holby, George Mason University, *The Geography of American Radicalization.*

- 5:00** Nicholas Dahmann*, University of Southern California, *From COINTELPRO to COIN and Back Again: Revolting Settler Colonial Police Power.*

- 5:20** Carrie A Law*, University of Pittsburgh- Johnstown, *Photo Documentation of Czech Republic's Government Protests.*

- 5:40** Christian Pettersen*, The University of Georgia, *Contesting Visions of the Past: the Use of Personal Identification Photographs in Post-Conflict Guatemala.*

- 6:00** Anna Feigenbaum*

2637. Disaster Time: Critical perspectives on crisis informatics and the temporal aspects of disasters (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Barbara Poore, United States Geological Survey

CHAIR(S): Barbara Poore, United States Geological Survey

- 4:40** Katrina Petersen*, UCSD, *Mapping Disaster In/Over Time.*

- 5:00** Megan Finn*, Microsoft Research, *Time as an information infrastructure.*

- 5:20** Maddalena Romano*, Penn State University; LiRo Engineers, Inc.; Hassan Adeyoka, NYC Department of Transportation; John Speroni, NYC Department of Transportation, *Designing web apps for mobile use: A case study using Superstorm Sandy.*

- 5:40** Sophia B. Liu, PhD*, US Geological Survey, *USGS iCoast Crowdsourcing System: Merging Geologic Time with the Disaster Lifecycle to Analyze Coastal Changes after Extreme Storms.*

Discussant(s): Ryan Burns, University of Washington

2639. Global health: Knowledge, Politics, Spaces

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Clare Herrick, King's College London; David Reubi, Queen Mary University of London

CHAIR(S): Clare Herrick, King's College London

- 4:40** Clare Herrick*, King's College London, *Translating "evidence" from North to South.*

- 4:50** David Reubi*, Queen Mary University of London, *Epidemiological Rule - Epidemiologists, Numbers and the Bloomberg Initiative to Reduce Tobacco Control in*

the Global South.

- 5:05** Sarah Sanford*; Jessica c Polzer, PhD, University of Western Ontario; Peggy McDonough, PhD, University of Toronto, *'Panflu Planning' as a Technology of (In) security: A Critical Analysis of Global Pandemic Preparedness.*

- 5:20** Heidi Kaspar*, University of Zurich, *What makes India a considerable health care destination for US patients? - Beyond the well-informed, rational choice.*

- 5:35** Anne E. Pfister, M.S.*, U. South Florida, *The influence of ethnomedical beliefs on approaches to deafness in Mexico City, Mexico.*

- 5:50** Kerri Brown*, Southern Methodist University, *Plant Publics: The Shifting Economics of Medicinal Plants in Brazil.*

- 6:05** Mark Robinson*, Princeton University, *temp.*

2640. The Geography of Tourists and Tourism

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Foster Frempong, Kwame Nkrumah University of Science and Technology

- 4:40** Eudora Aidoo-Taylor*, Takoradi Polytechnic, Ghana; Nicholas Imbeah, Takoradi Polytechnic, Ghana, *Analysis of Cultural Tourism Promotion: A Study of the "Aboakyer" and "Bakatue" Festivals in Ghana.*

- 5:00** Laura Altin*, University of Tartu, Department of Geography; Rein Ahas, University of Tartu, Department of Geography, *Evaluating repeat visitation of event tourists with mobile positioning datasets.*

- 5:20** Janika Raun*, University of Tartu, Department of Geography; Rein Ahas, University of Tartu, Department of Geography, *Distinguishing Estonian Tourism Destinations with Space-Time Tracking Data.*

- 5:40** Emmanuel Abeashi Mensah*, University of Cape Coast, *Mapping Potential Tourism and Recreational Resources in the Lake Bosomtwe Basin.*

- 6:00** Foster Frempong*, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana; Patricia Aidoo, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana; Jacob Okyere, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, *Tourist perception of service quality of taxi drivers in the Ashanti region of Ghana.*

2665. Federal Agency GIS Leaders Spotlight (Sponsored by GIScience, GIS, and Public Policy)

Room: Florida Salon IV, Marriott, Second Floor (Panel Session)

Chair: Douglas Richardson, AAG Executive Director

Speakers:

Ivan DeLoatch, Federal Geographic Data Committee

Timothy Trainor, US Census Bureau

Thomas Baerwald, National Science Foundation

Jerry Johnston, US Department of the Interior

William Ellwood, National Institutes of Health

Carrie Stokes, USAID

Lee Schwartz, US Department of State

Matt Larsen, US Geological Survey

Dean Gesch, USGS Eros Data Center

Dan Irwin, NASA

Dan Cole, Smithsonian Institution

Leading geography and geospatial officials from US federal agencies address new developments and key trends of interest to geographers.

2666. Scale and Sustainability: Cross-cutting Issues on How Scale Matters (Sponsored by Human Dimensions of Global Change Specialty Group, Scale and Sustainability)

Room: Florida Salon V, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Thomas Wilbanks, Oak Ridge National

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- Laboratory; Bob Kates, Independent Scholar; Douglas Richardson, Association of American Geographers
CHAIR(S): Bob Kates, Independent Scholar
4:40 Thomas Wilbanks*, Oak Ridge National Laboratory, *How Scale Can Shape Sustainability*.
5:00 Erle C Ellis*, University of Maryland - Baltimore County, *The spatial and temporal scales of the Anthropocene*.
5:20 Susanne C. Moser*, Susanne Moser Research & Consulting, *Successful Adaptation to Ensure Sustainability: The Scale and Cross-Scale Dimensions*.
5:40 Thomas M Parris*, ISciences, L.L.C., *Corporate freshwater sustainability: spatial and temporal scale in the boardroom..*
6:00 Shaleen Jain*, University of Maine, *Scales of sustainability solutions: Case studies and prospects for generalizations*.
- 2667. Thinking Poverty Differently: Relational Poverty Network**
Room: *Florida Salon VI, Marriott, Second Floor* (Paper Session)
ORGANIZER(S): Victoria Lawson, University of Washington; Sarah Elwood, University of Washington
CHAIR(S): Anne Bonds, University of Wisconsin, Milwaukee
Introducer: Sarah Elwood
5:00 Nick Schuermans*, University of Leuven & University of Antwerp; Manfred Spoeter, Stellenbosch University, *Avoiding encounters with poverty: aesthetics, politics and economics in a privileged neighbourhood of Cape Town, South Africa*.
5:20 Melissa R Gilbert*, Temple University; Michele Masucci, Temple University, *A Policy Framework for ICTs and Urban Inequalities*.
5:40 Victoria Lawson*, University of Washington; Sarah Elwood*, University of Washington; Nicolas Viotti, CONICET; Santiago Canevaro, CONICET, *Poverty Politics Post Crisis in Argentina and the US: class subjects and relational practices in urban neighborhoods*.
Discussant(s): Eric S. Sheppard, UCLA
- 2668. Renovating and making critical an already existing technology (a subconference workshop)**
Room: *Meeting Room 1, Marriott, Second Floor* (Panel Session)
ORGANIZER(S): Christian Anderson, University of Washington at Bothell
CHAIR(S): Jim Thatcher, Clark University
Introducer: Jim Thatcher
Panelists: Ståle Holgersen; Elizabeth Mason-Deese; Do J Lee; Ted Hiebert, University of Washington Bothell
- 2669. Geographies of Media 4: Geography & Public Discourse (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: *Meeting Room 2, Marriott, Second Floor* (Paper Session)
ORGANIZER(S): John Finn, Christopher Newport University; Joseph Palis, North Carolina State University
CHAIR(S): Torsten Wissmann, Institute of Geography, University Mainz
4:40 Jose Peralta*, Pontificia Universidad Católica del Perú, *Environmental journalists get trained in sound science: how to write about biotechnology*.
5:00 Daniel J Bednar*, Western University Canada, *Geography, News Media, and Water Governance - A Case Study of the Devils Lake Outlet Dispute*.
5:20 Stefan Zimmermann*, Institute of Humangeography, Goethe University Frankfurt, *The world is doomed - Visual Storytelling in science communication*.
5:40 Molly L Trueblood*, Butler University, Center for Urban Ecology; Timothy L Carter, PhD, Butler University, Center for Urban Ecology, *Art and Science in the City: Redefining the Urban Learning Environment*.
- 2670. Water Resources and Sustainable Development III (Sponsored by Bible Geography Specialty Group, Regional Development and Planning Specialty Group, Water Resources Specialty Group)**
Room: *Meeting Room 3, Marriott, Second Floor* (Paper Session)
ORGANIZER(S): Ezgi Akpinar Ferrand, Southern Connecticut State University; Luke Juran, Virginia Tech; Mark Giordano, International Water Management Institute
CHAIR(S): Mark Giordano, International Water Management Institute
4:40 Ruth M Doyle, PhD*, Trinity College Dublin, Department of Geography, *Sustainable household water consumption: possibilities of practice-oriented living labs research*.
5:00 Matthew H Connolly*, University of Utah, *Spatiotemporal Drivers of Municipal Water Consumption*.
5:20 Jennifer B Alford*, The University of North Carolina Greensboro, *Land-Use and Water Quality In The Cape Fear River Basin: Temporal-Spatial Relationships*.
5:40 Sarah Varble*, Southern Illinois University; Silvia Secchi, Southern Illinois University; David Bennett, University of Iowa; Marian Muste, University of Iowa, *The Role of Watershed Management Groups and Key Stakeholders in the Resilience and Sustainability of a Rural Iowa Watershed*.
6:00 Diana Suhardiman, PhD, International Water Management Institute; Mark Giordano*, Georgetown University School of Foreign Service, *Is there an alternative for irrigation reform?*.
- 2671. Housing, Residential Development and Spatial Structures in Chinese Cities (Sponsored by China Specialty Group)**
Room: *Meeting Room 4, Marriott, Second Floor* (Paper Session)
ORGANIZER(S): Guo Chen, Michigan State University
CHAIR(S): Zhilin Liu, Tsinghua University
4:40 Banggu Liao*, Shanghai Normal University; David Wong, George Mason University, *The Social Spatial Restructure of Shanghai Center City from 2000 to 2010: comparative factorial analysis*.
5:00 Jianping Gu*, the University of Tokyo, *Speculation in residential commodity housing market in urban China*.
5:20 Yuping Zhang*, College of Urban and Environment Sciences, Peking University; Jian Lin, College of Urban and Environment Sciences, Peking University; Jian Song, Beijing Digplan Consultant CO., LTD, *Evaluation of Intensive Use of Urban Residential Land in Beijing*.
5:40 Tana*, Peking University; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; Zhilin Liu, Tsinghua University, *Space-time constraints and gendered daily activities in urban China: Comparison of nuclear and extended families based on a GPS-based activity survey in Beijing, China*.
6:00 Zhilin Liu*, Tsinghua University; Lu Liao, Tsinghua University, *Residential Relocation, Social Capital Building, and Residential Satisfaction in Moderate to Low-Income Neighborhoods in Beijing, China*.
- 2672. Regional development: Evolution, adaptation and innovation (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Meeting Room 5, Marriott, Second Floor* (Paper Session)
ORGANIZER(S): Alison M Gill, Simon Fraser University
CHAIR(S): Jasper Meekes, University of Groningen
4:40 Anatoly Stepanov, Ph.D.*, Ural Federal University; Alexander Burnasov, Ph.D., Ural Federal University; Maria Ilyushkina, Ph.D., Ural Federal University, *Convergence and Divergence Processes in Regional Development*.
5:00 Laura Capel-Tatjer*, Universitat Autònoma de Barcelona,

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Land For Economic Activity In Catalonia: Attraction Capacity, Economic Promotion, Urban Regulations And Territorial Strategies: The Case Of The A2 Axis.

5:20 Cinta Sanz-Ibáñez*, Rovira i Virgili University; Salvador Anton-Clavé, Rovira i Virgili University, *Path Plasticity in Coastal Destinations. Empirical Evidence and Theoretical Issues. A Demand Side Approach..*

5:40 Jasper Meekes*, University of Groningen; Constanza Parra, University of Groningen; Gert de Roo, University of Groningen, *Regional development and leisure in Fryslân: a complex adaptive systems perspective through evolutionary economic geography.*

6:00 Sarah Lindell*, *The Influence of Mobile Technology Use on Visitor Perceptions in Outdoor Recreation.*

2673. Sustainability and the Urban City (Sponsored by Scale and Sustainability)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Scale and Sustainability

CHAIR(S): Vikas Mehta

4:40 Troy D Abel*, Western Washington University; Jonah White, Western Washington University, *Unjust Sustainability: Gentrification, Inequitable Development, and Seattle's Riskscape.*

5:00 Sun Hui Sim*, University of North Alabama, *Crime Patterns and Social Stress Indicators.*

5:20 Vikas Mehta*, University of South Florida, *The Neighborhood Commercial Street as an Agent of Sustainability.*

2674. Gender and Wildfire: Landscapes of Uncertainty (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Christine Eriksen, University of Wollongong

CHAIR(S): Janice Monk, University of Arizona

Panelists: Stentor Danielson, Slippery Rock University; Paul Robbins, Nelson Institute for Environmental Studies University of Wisconsin; Gregory Simon, University of Colorado Denver; Christine Eriksen, University of Wollongong; Sue Jackson, Griffith University

2677. The Southern Plantation Museum: The "Tough Stuff" of Heritage Tourism Research III: Recontextualizing the South (Sponsored by Study of the American South Specialty Group, The American South, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)

ORGANIZER(S): David Butler, University Of Southern Mississippi; Derek H. Alderman, University of Tennessee

CHAIR(S): Eddie Modlin

4:40 Velvet Nelson*, Sam Houston State University, *Cultural Heritage and Spice Tourism on Grenada.*

5:00 Mechelle Best, PhD*, California State University Northridge, *Slavery, silence and tourism at heritage attractions in the Caribbean.*

5:20 Anthony J Stanonis, PhD*, Queen's University Belfast, *Gated Communities: Tourism and Prisons in the American South.*

5:40 Josefer Montes, PhD*, Walla Walla University School of Business; David Butler, PhD, University of Southern Mississippi, *Debating Race through the Slave Narrative: Analyzing a CNN Conversation.*

2678. The Natural and Human Structuring of Rivers and other Geomorphic Systems V: A Special Session in Honor of Will Graf (Sponsored by Geomorphology Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Bruce Rhoads, University Of Illinois; Mark Fonstad, University of Oregon

CHAIR(S): Allan James, University Of South Carolina

4:40 Richard A. Marston, Dr.*, Kansas State University; Nicholas Graf, University of Wyoming, *Meander Migration and Associated Farmland Loss, Big Blue River, Kansas.*

5:00 Kory Konsoer*, University of Illinois; Bruce L Rhoads, University of Illinois; Jim Best, University of Illinois; Eddy Langendoen, USDA-NSL; Jorge Abad, University of Pittsburgh; Mick Ursic, USDA-NSL; Marcelo Garcia, University of Illinois, *Influence of bedrock control, bank materials, riparian vegetation, and planform geometry on the morphodynamics of a large meandering river.*

5:20 Joann Mossa*, University of Florida, *Changing Channel Geometry of the Atchafalaya River, Louisiana.*

5:40 Inci Guneralp*, Texas A&M University, *Bringing in stochasticity for improved process understanding in fluvial geomorphology.*

2679. Session IV: Disciplining the Transnational Mobility of People: Actors, Tactics, Technologies (Sponsored by Political Geography Specialty Group, Population Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Martin Geiger, Carleton University; Emily Gilbert, University of Toronto

CHAIR(S): Bethany Hastie

Introducer: Emily Gilbert

Panelists: Martin Geiger, Carleton University; Fabian Georgi; Emily Gilbert, University of Toronto; Jennifer Hyndman, York University; Reece Jones, University of Hawaii at Manoa; Stefan Rother, Arnold-Bergstraesser Institute

2680. Exploring the Geographical Dimensions of Biogeochemistry: Ecosystem Processes in a Heterogeneous World III (Sponsored by Human Dimensions of Global Change Specialty Group, Biogeography Specialty Group, Water Resources Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Jonathan Duncan, UNC Chapel Hill; Alexandra Ponette-González, University of North Texas

CHAIR(S): Jonathan Duncan, UNC Chapel Hill

4:40 Luc Claessens*, University of Delaware, *Hydro-ecological examination of the effectiveness of urban stormwater retrofitting in reducing watershed nitrogen export.*

5:00 Claire Marie Ruffing*, Kansas State University; Melinda D. Daniels, PhD, Stroud Water Research Center, *Linking geomorphic dynamics and ecosystem function within the context of a disturbance legacy.*

5:20 Brian Miles*, University of North Carolina - Chapel Hill; Lawrence Band, Institute for the Environment, University of North Carolina at Chapel Hill, *Infiltration-based stormwater retrofits on residential parcels: a watershed-scale ecohydrology modeling approach.*

Discussant(s): Jonathan Duncan, UNC Chapel Hill

2681. The American Community Survey: Program Developments, New Tools and Applications, and the ACS Data Users Group (Sponsored by Applied Geography Specialty Group, Population Specialty Group, Ethnic Geography Specialty Group)

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Nancy K. Torrieri, U.S. Bureau Of the Census

4:40 Nancy K. Torrieri*, U.S. Bureau Of the Census, *The American Community Survey: An Update.*

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- 5:00** Linda A Jacobsen*, Population Reference Bureau, *The American Community Survey Data Users Group.*
- 5:20** David W. Wong*, University of Hong Kong, *Enabling the Use of Data Quality Information in American Community Survey (ACS) Data for Geographical Applications: A Summary of Research Progress.*
- 5:40** Pamela Schenker*, Florida Legislature, Office of Economic and Demographic Research, *The American Community Survey: Benefits and Uses.*

Discussant(s): Nancy K. Torrieri, U.S. Bureau Of the Census

2682. Health Geography: The challenges of care in the community for vulnerable populations II (Sponsored by Health and Medical Geography Specialty Group, Disability Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Rachel Herron, Queen's University; Mark W Rosenberg, Queen's University

CHAIR(S): Rachel Herron, Queen's University

- 4:40** Faith Nankasa Mambulu*, Western University; Rachel Bezner-Kerr, Cornell University; Isaac Luginaah, Western University, *Agricultural Interventions as a Means to Food Security: Experiences of HIV/AIDS Affected Households in Northern Malawi.*

- 5:00** Andrea Rishworth*, University of Western Ontario; Isaac Luginaah, PhD, Western University; Jenna Dixon, MA, University of Waterloo, *Maternal exemption policy within the National Health Insurance Scheme in Ghana's Upper West Region: Exploring the hidden determinants of a lack of utilization.*

- 5:20** Andrea Rishworth, MA, Western University; Jenna Dixon, MA*, University of Waterloo; Isaac Luginaah, PhD, Western University, *"Without them we are all in trouble": What role is there for Traditional Birth Attendants in the context of 'free' maternal health care in rural Ghana?*

- 5:40** Sarah A Lovell*, University of Otago, *Negotiating Motherhood: Rural women's experiences accessing maternity care.*

- 6:00** Laura Smith*, Macalester College; Helen Hazen, Macalester College, *The Influence of Location on Social Factors Affecting Childhood Health in Peru.*

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AAG International Reception

Wednesday, April 9, 6:30 p.m. - 8:30 p.m.

Room: Grand Salon E, Marriott, Second Floor

This reception is an opportunity to see old friends and meet colleagues at the outset of the AAG Annual Meeting. Two free drink tickets are provided in your registration packet. Live music provided by Son Salvaje.

2778. Taylor-Francis/Rutledge Distinguished Lecture in Geomorphology: Professor William Graf (Sponsored by Geomorphology Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Melinda Daniels, Stroud Water Research Center

CHAIR(S): Melinda Daniels, Stroud Water Research Center

*** Continued into next slot, 2878

WEDNESDAY, APRIL 9 • 7:30 PM - 8:30 PM • 2800

- 2821. Hazards, Risks and Disasters Specialty Group Business Meeting (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: Room 21, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 2822. Regional Development and Planning Specialty Group Business Meeting (Sponsored by Regional Development and Planning Specialty Group)**
Room: Room 22, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 2878. Taylor-Francis/Rutledge Distinguished Lecture in Geomorphology: Professor William Graf (Sponsored by Geomorphology Specialty Group)**
Room: Meeting Room 9, Marriott, Third Floor (Panel Session)
 This session is a continuation of the previous timeslot, 2778.

WEDNESDAY, APRIL 9 • 8:30 PM - 9:30 PM • 2900

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| <p>2910. Graduate Student Affinity Group Business Meeting (Sponsored by Graduate Student Affinity Group)
 <i>Room: Room 10, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2911. Ethics, Justice, and Human Rights Specialty Group Business Meeting (Sponsored by Ethics, Justice, and Human Rights Specialty Group)
 <i>Room: Room 11, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2912. Africa Specialty Group Business Meeting (Sponsored by Africa Specialty Group)
 <i>Room: Room 12, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2913. Cyberinfrastructure Specialty Group Business Meeting (Sponsored by Cyberinfrastructure Specialty Group)
 <i>Room: Room 13, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2914. Paleoenvironmental Change Specialty Group Business Meeting (Sponsored by Paleoenvironmental Change Specialty Group)
 <i>Room: Room 14, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2915. Asian Geography Specialty Group Business Meeting (Sponsored by Asian Geography Specialty Group)
 <i>Room: Room 15, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> | <p>2917. Development Geographies Specialty Group Business Meeting (Sponsored by Development Geographies Specialty Group)
 <i>Room: Room 17, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2918. Climate Specialty Group Business Meeting (Sponsored by Climate Specialty Group)
 <i>Room: Room 18, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2919. Mountain Geography Specialty Group Business Meeting (Sponsored by Mountain Geography Specialty Group)
 <i>Room: Room 19, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2920. Coastal and Marine Specialty Group Business Meeting (Sponsored by Coastal and Marine Specialty Group)
 <i>Room: Room 20, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2966. Black Geographies Specialty Group - Exploration Meeting
 <i>Room: Florida Salon V, Marriott, Second Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> <p>2981. Historical Geography Specialty Group Business Meeting (Sponsored by Historical Geography Specialty Group)
 <i>Room: Meeting Room 12, Marriott, Third Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> |
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Presenting author(s) are indicated with an asterisk ().*

For special events, please see the Special Events & Meetings Summary on p. 44-48.

AAG 2014 Mobile App
for iOS, Android and Blackberry



THURSDAY, APRIL 10 • 8:00 AM - 9:40 AM • 3100**3101. Developments in Later Modern War - Civil/Military Relations (Sponsored by Socialist and Critical Geography Specialty Group)***Room: Room 1, TCC, First Floor (Paper Session)*

ORGANIZER(S): Craig A Jones, UBC; Derek Gregory, University of British Columbia; Wesley Attewell, The University of British Columbia

CHAIR(S): Craig A Jones, UBC

8:00 Wesley Attewell*, The University of British Columbia, *"You've gotta have my back!": Operation Enduring Freedom and the geographies of late modern civil-military relationships.***8:20** Jeff Whyte*, UBC, *The JUSPAO Revolution in Vietnam: Producing and Policing Publics.***8:40** Richard Nisa*, Fairleigh Dickinson University, *Airborne Evacuation in the Vietnam War: Violence, Care, and the Helicopter.***9:00** Lisa Bhungalia*, Syracuse University, *"From the American People": Aid, Counterinsurgency, and the U.S. National Security State in Palestine.***9:20** Marita Murphy*, Department of Geography, *The Extra-Military Application of US Drones: is Covert War the New War?.***3103. Rethinking skilled migration 1: International student migration (Sponsored by Population Specialty Group, Economic Geography Specialty Group, Ethnic Geography Specialty Group)***Room: Room 3, TCC, First Floor (Paper Session)*

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee; Qingfang Wang, University of North Carolina at Charlotte

CHAIR(S): Qingfang Wang, University of North Carolina at Charlotte

8:00 Gunjan Sondhi*, University of Sussex; Russell King, Professor, Sussex Centre for Migration Research, *A comparison of international student mobility motivations of outwardly mobile students from India and the UK: world-class universities, careers, personal adventure and family contexts.***8:20** Heike C. Alberts*, University of Wisconsin-Oshkosh, *Migration Decisions of International Students.***8:40** Wan Yu*, Arizona State University, *From International Students to Skilled Migrants- Chinese Students during Transition Period.***9:00** Heike Jons, PhD*, Loughborough University; Hannah Deakin, PhD, Loughborough University, *Transnational career (im)mobility among PhD graduates from European universities.*

Discussant(s): Kavita Pandit, University of Georgia

3104. Law, Culture, and Place, I: US Perspectives on Borders and Civil Law*Room: Room 4, TCC, First Floor (Paper Session)*

ORGANIZER(S): John Carr, University of New Mexico

CHAIR(S): John Carr, University of New Mexico

8:00 Cynthia Gorman*, West Virginia University, *Flood Fears and U.S. Gender-Based Asylum Jurisprudence.***8:20** Austin Kocher*, The Ohio State University, Department of Geography, *An Integral Conception of Law: Gramsci, Geography, and Immigration Courts.***8:40** Regan Koch*, University College London, *Licensing, local culture and public space: an inquiry into the geographies of street food vending.***9:00** John Carr*, University of New Mexico, *Private Law as a Vessel for Traditional Community Values in New Mexico.***9:20** Tenille E Brown, LLB, LLM, PhD Candidate*, University of Ottawa, *A Critical Appraisal: The Geographies of Lucas v. South Carolina Coastal Council and Mariner Real Estate Ltd. V. Nova Scotia (Attorney General)..***3105. Networked Political Ecology: Geographers Discuss the Use of "Rooted Networks" (Sponsored by Cultural and Political Ecology Specialty Group)***Room: Room 5, TCC, First Floor (Panel Session)*

ORGANIZER(S): Elisabeth Stoddard, Clark GSG; Alida Cantor, Clark University

CHAIR(S): Alida Cantor, Clark University

Introducer: Alida Cantor

Discussant(s): Dianne E Rocheleau, Clark University

Panelists: Jennifer Brewer, East Carolina University; Trevor Birkenholtz, University of Illinois at Urbana-Champaign; Elisabeth Stoddard, Clark GSG; Katherine Foo, Clark University; Robin Roth, York University

3106. Hazards, Risks, and Disasters S.G. Session: Biohazard/ Disease Risk Assessment (Sponsored by Hazards, Risks, and Disasters Specialty Group)*Room: Room 6, TCC, First Floor (Paper Session)*

ORGANIZER(S): Philip L. Chaney, Auburn University

CHAIR(S): Holly Donohoe, University of Florida

8:00 Eric L. Samson, PhD*, Mayan Esteem Project, *Disease from water rationing.***8:20** Margaret Carrel*, Department of Geographical & Sustainability Sciences, University of Iowa; Marin L Schweizer, Center for Comprehensive Access & Delivery Research and Evaluation (CADRE), Iowa City VA Health Care System; Mary V Sarrazin, Center for Comprehensive Access & Delivery Research and Evaluation (CADRE), Iowa City VA Health Care System; Tara C Smith, Department of Biostatistics, Environmental Health Sciences & Epidemiology, Kent State University; Eli N Perencevich, Department of Internal Medicine, University of Iowa Carver College of Medicine, Iowa City, *Residential proximity to swine concentrated animal feeding operations and risk of MRSA colonization in Iowa.***8:40** Sheldon G.B Waugh*, University of Florida, *Geo-spatial Risk Modeling for West Nile Virus in Tarrant County, TX using Environmental and Demographic data.***9:00** Julie Earls, M.S.P.H. *, University of South Florida; Barnali Dixon, PhD, University of South Florida St. Petersburg; Ruiliang Pu, PhD, University of South Florida, *Development of A Risk Assessment Index Tool (RAIT) for Pollutants On Organic Farms: Using An Integrated Geospatial Method.***9:20** Holly M. Donohoe, Ph.D. *, Tourism Crisis Management Institute, Department of Geography, University of Florida; Lori Pennington-Gray, Ph.D., Tourism Crisis Management Institute, University of Florida; Jason Blackburn, Ph.D., Emerging Pathogens Institute, Department of Geography, University of Florida; Oghenekaro Omodior, MPH, Department of Tourism, Recreation, and Sport Management, University of Florida, *Tick-Borne Disease Prevention Amongst Outdoor Recreation and Natural Resource Management Workers in Florida's Natural Areas.***3107. FQG: Intimate Ecologies of Social Reproduction I: Intergenerational Encounters (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)***Room: Room 7, TCC, First Floor (Paper Session)*

ORGANIZER(S): Paul Jackson, Dartmouth College

CHAIR(S): Paul Jackson, Dartmouth College

8:00 Sarah A Moore*, University of Wisconsin - Madison; Sallie A Marston, University of Arizona, *The Intimate Ecologies of School Gardens.***8:20** Sarah W Stinard-Kiel, MA*, Temple University, *From the Orphanage to Foster Care: Children, Social Reproduction and Primitive Accumulation.*

THURSDAY, APRIL 10 • 8:00 AM - 9:40 AM • 3100

- 8:40** Laura Shillington*, John Abbott College/Concordia University, *Birds, squirrels and girls: co-habitation and the emotional politics of urban ecologies.*
- 9:00** Sophie A Lewis*, University of Manchester, *Politics in the place of the proper body: surrogacy as more-than-human labour.*
- 3108. Geopoetics (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)**
Room: Room 8, TCC, First Floor (Paper Session)
 ORGANIZER(S): Eric Magrane
 CHAIR(S): Eric Magrane
8:00 Sarah De Leeuw*, University of Northern British Columbia, *BodyLines: Critical Geographies, the Creative Re/Turn, and Eco-Erotic Feminist Poetry.*
8:20 Katherine McKittrick*, Queen's University, *Black Techno Futures: Middle Passage.*
8:40 Maleea Acker*, University of Victoria, *"Living in the World as if it Were Home": Attending to the Intersection of Poetics and Landscape in Human Geography.*
9:00 Eric Magrane*, University of Arizona, *Speculative More-Than-Human Geopoetics.*
 Discussant(s): Harriet Hawkins
- 3109. South Asia: Adapting with the dynamical physical and climatic changes (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Climate Specialty Group)**
Room: Room 9, TCC, First Floor (Paper Session)
 ORGANIZER(S): Chandana Mitra, Auburn University
 CHAIR(S): Chandana Mitra, Auburn University
8:00 Xia Li*, Geology and Geography Department, Auburn University; Chandana Mitra, Geology and Geography Department, Auburn University, *Conversion of wetland area to built-up areas and its impact on microclimate of East Kolkata Wetlands, India.*
8:20 Shouraseni Sen Roy*, University of Miami, *Relationship between Arctic Oscillation and Subdivision Level Peak Season Precipitation Across the Indian Subcontinent.*
8:40 Chandana Mitra*, Auburn University; Rupsa Bhowmick, Jadavpur University, *A pilot study to measure urban heat island magnitude of Kolkata City.*
9:00 Fabien Solmon*, ICTP / UNESCO; Jost Von Hardenberg, CNR; Vijaykumar S Nair, ICTP; Elisa Palazzi, CNR, *A regional climate study of aerosol impacts on Indian monsoon and precipitations over the Himalayas..*
 Discussant(s): Anthony Brazel, Arizona State University
- 3110. The Economy of Cities I**
Room: Room 10, TCC, First Floor (Paper Session)
 ORGANIZER(S): John R Miron, University of Toronto; Ying Ge
 CHAIR(S): Ying Ge
8:00 Huang Zhiji*, Peking University; Han Li, University of Utah, *Urban land expansion under economic transition in China: A multi-level modeling analysis.*
8:20 John R Miron*, University of Toronto, *Export-based models of a spatial urban economy with multiple industries.*
8:40 Xin Lao*, Harvard University, *A Comparative Research on the Spatial Structure of China's Urban System between the Transportation Network and the Economic Network.*
9:00 Qingyuan Tang*, The Center for Modern Chinese City Studies, East China Normal University, Shanghai, China; Wei Xu, Professor, Department of Geography, University of Lethbridge, Lethbridge, Alberta, Canada, *Political economy of land development for regional and industrial upgrading: a case of Shanghai's auto city.*
 Discussant(s): John R Miron, University of Toronto
- 3111. New Horizons in Tourism Mobilities**
Room: Room 11, TCC, First Floor (Paper Session)
 ORGANIZER(S): Jillian Rickly-Boyd, Indiana University
 CHAIR(S): Jillian Rickly-Boyd, Indiana University
8:00 Mary Mostafanezhad*, University of Otago, *Celebrity Humanitarian Travel and the Sentimental Geopolitics of Angelina Jolie in the Thai-Burma Border Zone.*
8:20 Antonio P. Russo, Dr*, University Rovira i Virgili, *Home Exchanging. Reframing Geographies of Tourism.*
8:40 Jillian Rickly-Boyd*, Indiana University, *The Politics (and Ethics) of Lifestyle Rock Climbing.*
9:00 Honggang Xu*, Sun Yat-sen University; wei xing, university of Winnipeg, *The fluid boundary between work and leisure: understanding working tourists.*
9:20 Zakiya Price*, Jamaica, *the 'Home of Community Tourism': An analysis of women's everyday geographies.*
- 3112. Spatiotemporal Thinking, Computing and Applications 10: Transportation (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
Room: Room 12, TCC, First Floor (Paper Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University; Keith C. Clarke, University Of California, Santa Barbara
 CHAIR(S): Weihe Wendy Guan, Harvard University
8:00 Laure Charleux*, University of Minnesota Duluth; Alexis Conesa, Faculté de Géographie et Aménagement de Strasbourg - LIVE UMR CNRS 7362; Thomas Leduc, CERMA - UMR CNRS 1563; Joël Meissonnier, CEREMA; Arnaud Piombini, Faculté de Géographie et Aménagement de Strasbourg - LIVE UMR CNRS 7362; Cyprien Richer, CEREMA, *Intermodal public transit and spatio-temporal activity of passengers during transfers..*
8:20 Curtis J Denton*, University of Connecticut; Jeffrey P Osleeb, PhD, University of Connecticut, *Access to Emergency Centers and Risk of Dying in a Motor Vehicle Accident.*
8:40 Kristian Larsen*, University of Toronto; Ron Buliung, University of Toronto Mississauga; Guy Faulkner, University of Toronto, *How does the built environment and traffic safety relate to physical activity levels when travelling to and from school.*
9:00 Christopher D Higgins*, McMaster University; Pavlos S Kanaroglou, McMaster University, *Measuring Commute Satisfaction and the Effects of Congestion in Canadian Cities.*
9:20 Chih-Hao Wang, The Ohio State University; Na Chen*, The Ohio State University, *Spatial Spillover of Public Transit on Job Accessibility: A Spatial Statistical Model for Transportation Equity in Columbus, Ohio.*
- 3114. Preparing Geography Students for the 21st Century Workforce (Sponsored by Jobs and Careers)**
Room: Room 14, TCC, First Floor (Panel Session)
 ORGANIZER(S): Niem Huynh, Association of American Geographers
 Discussant(s): Joseph J. Kerski, Esri; Michael N. Solem, Association of American Geographers
- 3115. Author meets Critics - Rami Zurayk's "Food, Farming, and Freedom: Sowing the Arab Spring" (Sponsored by Middle East Specialty Group)**
Room: Room 15, TCC, First Floor (Panel Session)
 ORGANIZER(S): Kyle Evered, Michigan State University
 CHAIR(S): Kyle Evered, Michigan State University
 Introducer: Kyle Evered
 Discussant(s): Jon Unruh, McGill University; Azita Ranjbar, Penn State University
 Panelists: Rami Zurayk, American University of Beirut

THURSDAY, APRIL 10 • 8:00 AM - 9:40 AM • 3100

3116. The Geography of Communication

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nathan Prier, York University

8:00 Sam Spector*, University of Otago, *The Extent and Purposes of the Environmental Communications of Ski Areas.*

8:20 Qing Huang*, King's College London, *The politics of gossip and urban regeneration in Qingdao, China.*

8:40 Nathan Prier*, York University, *Archivism and the Subaltern.*

3117. Issues in Ethnic Geography - I (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Stavros T Constantinou, Ohio State University

CHAIR(S): Stavros T Constantinou, Ohio State University

8:00 Monika Stodolska*, University of Illinois at Urbana-Champaign; Karin Peters, Wageningen University, the Netherlands; Anna Horolets, University of Gdansk, Poland, *The Roles of Natural Environments in Interracial/Interethnic Interactions and Adaptation among Immigrants in the U.S., Netherlands and Poland.*

8:20 Madhuri Sharma*, University of Tennessee, Knoxville, *Income Inequality and Socio-economic Mobility for Racial/Ethnic Minorities in the American Southeast.*

8:40 Paul McDaniel*, Immigration Policy Center / American Immigration Council, *Immigrant Integration, Revitalization, and Community Building: Attracting and Welcoming Immigrants and Entrepreneurs for Economic Development.*

9:00 Carlos Teixeira, Associate Professor*, University of British Columbia Okanagan, *Immigrant Entrepreneurship in a Mid-sized Canadian City: Challenges and Opportunities.*

9:20 William Kiskowski*, Kent State Geography, *Arab American Neighborhoods in Metropolitan Detroit.*

3118. A National Network of Cyber-Infrastructure Data Centers: The Role of Geography

Room: Room 18, TCC, First Floor (Panel Session)

ORGANIZER(S): Emilio Moran, Michigan State University

CHAIR(S): Emilio Moran, Michigan State University

3119. Geoarchaeology: Paleoenvironments in human contexts (Sponsored by Paleoenvironmental Change Specialty Group, Geomorphology Specialty Group)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Gregory Pope, Montclair State University; Casey D Allen, University of Colorado - Denver; Timothy Beach, Georgetown University

CHAIR(S): Casey D Allen, University of Colorado - Denver

8:00 Marcus J Thomson*, UCLA Geography; Glen M MacDonald, UCLA Geography, UCLA Ecology and Evolutionary Biology, *A critical review of Holocene paleohydroclimatology of the Nile and eastern Mediterranean in the context of paleolithic/Neolithic settlement in the Fayum, Egypt.*

8:20 Julie Rich, Ph.D.*, Weber State University, *Aeolian sedimentation and palaeoclimatic implications for the St. Anthony Dunes, Idaho USA.*

8:40 Dusty J Pilkington*, Weber State University; Julie Rich, Assistant Professor of Geography, Weber State University; Tammy M. Rittenour, Assistant Professor,

Department of Geology, Utah State University, *Determining Late Holocene environmental conditions for the Bobcat Rockshelter, Snake River Plain, Idaho USA.*

9:00 Megan K Walsh*, Central Washington University; Keith M Prufer, PhD, University of New Mexico; Brendan J Culleton, PhD, Pennsylvania State University; Douglas J Kennett, PhD, Pennsylvania State University, *A late Holocene paleoenvironmental reconstruction from Agua Caliente, southern Belize, linked to regional climate variability and cultural change at the Maya polity of Uxbenká.*

9:20 Caroline Davies*, University of Missouri-Kansas City; Braden Anderson, UMKC; Alec Duvall, UMKC; Jordan Felt, UMKC; Andrew Fortin, UMKC; Holdgraf Mary, UMKC; Janet Smith, UMKC; Wick Laura, UMKC, *Characterizing paleolake environments of the Al-Jafr Basin, Jordan using stable isotopes, ICPMS, and scanning electron microscopy.*

3120. Symposium on Synergistic Advances of CyberGIS and Geography: CyberGIS, Linked Data, and Geospatial Semantics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Krzysztof Janowicz, University of California, Santa Barbara

CHAIR(S): Krzysztof Janowicz, University of California, Santa Barbara

8:00 Chuanrong Zhang*, University of Connecticut, Department of Geography and Center for Environmental Sciences & Engineering; Tian Zhao, University of Wisconsin?Milwaukee, Department of Computer Science; Luc Anselin, Arizona State University, School of Geographical Sciences & Urban Planning; Weidong Li, University of Connecticut, Department of Geography & Center of Environmental Sciences and Engineering; Ke Chen, University of Wisconsin?Milwaukee, Department of Computer Science, *A Parallel Approach for Improving Query Performance in a Geospatial Semantic Web for Disaster Response.*

8:20 James W. Wilson, Ph.D.*, James Madison University, *Comparing GeoSPARQL & Common Internet GIS Interface Queries of USGS National Map Data.*

8:40 Krzysztof Janowicz*, University of California, Santa Barbara, *Semantic Shortcuts and Views: Bridging the Gap between Ontologies and Linked Data.*

9:00 Robert Pahle*, GeoDa, ASU; Luc Anselin, GeoDa, ASU; Sergio Rey, GeoDa, ASU; Julia Koschinsky, GeoDa, ASU, *A blue-print for flexible generation of collaborative decision environments.*

3121. Rural Geography Research 1: Africa (Sponsored by Rural Geography Specialty Group)

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): Dawn M Drake, Missouri Western State University

CHAIR(S): Dawn M Drake, Missouri Western State University

8:00 Christine Mathenge*, Austin Peay State University, *Migrants and the Geographies of Change: A Re-examination.*

8:20 Julie A. Silva*, University of Maryland, College Park; Stewart Duncan, Department of Philosophy, University of Florida, *Even the Losers Get Lucky Sometimes: Capabilities and Conservation-based Development in Southern Africa.*

8:40 Cheryl Sjöström, PhD candidate*, Lund University, *Linking the talk to the walk: Effects of the Millennium Village*

THURSDAY, APRIL 10 • 8:00 AM - 9:40 AM • 3100

Project on power in Mwandama, Malawi.

- 9:00** Brent McCusker, West Virginia University; Jamison Conley*, West Virginia University, *Spatial Analyses of Malawian Livelihoods at the Village and National Scale.*

3122. Water in China (Sponsored by China Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Guo Chen, Michigan State University

CHAIR(S): Kuishuang Feng, University of Maryland

- 8:00** Britt Crow-Miller, PhD*, Portland State University, *Discourses of Distraction: Framing China's South-North Water Transfer Project.*

- 8:20** Shih-Yang Kao*, National Taiwan University, *Wetland Restoration and the Restructuring of Local State Power in Chongqing, China.*

- 8:40** Lanhui Zhang*, Center for Dryland Water Resources Research and Watershed Science; Chansheng He, Department of Geography, Western Michigan University, Kalamazoo, *Effects of multiple resolution meteorological data on hydrological modeling.*

- 9:00** Feng Mao*, University of Cambridge; Keith Richards, University of Cambridge, *Developing hydromorphological assessments in new regions: a synthetic approach.*

- 9:20** Kuishuang Feng*, University of Maryland; Stephan Pfister, ETH Zurich; Yang Yu, University of Maryland; Laixiang Sun, University of Maryland; Klaus Hubacek, University of Maryland, *Virtual water stress in China.*

3123. Making Cultural Cities in Asia I (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Jun Wang, City University of Hong Kong; Tim Oakes, University of Colorado; Yang Yang, University of Colorado at Boulder

CHAIR(S): Jun Wang, City University of Hong Kong

- 8:00** Yueming Zhang*, Clark University, *The Politics and Aesthetics of (Re)Making Arts Districts in China.*

- 8:20** Jun Wang*, City University of Hong Kong, *state-society tension in the remaking of Dafen Oil Painting Village, China.*

- 8:40** Julie Ren*, Humboldt University Berlin, *Multiple mobilities: The "creative class" subversions of artist-run spaces in Beijing and.*

- 9:00** Cheng-Yi Lin*, Department of Social and Regional Development, National Taipei University of Education, *Local planning practices and institutional innovation of creative city: the case of Taipei City.*

Discussant(s): Tim Oakes, University of Colorado

3124. Geospatial Technologies

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): John Rodgers, Mississippi State University

- 8:00** Mark Rochelo*, Florida Atlantic University, *Recreation and Interpretation of South East Florida's Original Land Survey's extending from the Eastern Shore of Lake Okeechobee to the Florida Keys..*

- 8:08** Boyuan Guan*, Florida International University; Zhaohui Fu, *Map Through Time (MTT) - Integrating Digital Repository Systems and Geo-spatial Visualization Tools.*

- 8:16** Liang Wu*, China University of Geosciences; Li Yin, Department of Urban and Regional Planning, University at Buffalo, State University of New York, Buffalo, NY 14214; zhong xie, National Engineering Research Center for GIS; zhanlong chen, China University of Geosciences, *Key Technology of Distributed Geospatial Information Operation.*

- 8:24** Mahbubur Meenar*, Center for Sustainable Communities, Temple University, *An Exploratory Examination of Inter-Organizational Relationships and Spatial Networks.*

- 8:32** Zhong Xie*, China University of Geosciences, National Engineering Research Center for GIS; Zhanlong Chen, China University of Geosciences; Liang Wu, National Engineering Research Center for GIS, WuHan, China, 430074, *GSHR-Tree: A Spatial Index Tree Based on Dynamic Spatial Slot and Hash Table in Grid Environments.*

- 8:40** Kin M Ma, Ph.D.*, Grand Valley State University; Mark E Whalon, Ph.D., Michigan State University, *Advanced Geospatial monitoring and IKONOS image object-oriented analyses of 2011 Northern Michigan cherry orchard yields.*

- 8:48** Fangdi Sun*, School of Geographical Sciences, Guangzhou University; Peng Gong, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System Science, Tsinghua University, *Monitoring dynamic changes of major lakes in China from 2000-2010 using MODIS data.*

- 8:56** Fatou BI Mandiang*, Salem State University, *Northeastern North America Land Surface Temperature Change.*

- 9:04** Renee E. Culver*, Missouri State University; Xiaomin Qiu, Ph.D., Missouri State University, *Relationships Between Lead, Housing, Mines, and Student Performance: A Geographic Perspective.*

- 9:12** Zihan Lin*, *Intensity Analysis to Perform Accuracy Assessment for Mapping Land Cover.*

- 9:20** John Rodgers*, Mississippi State University; Robert Devon Bise, Mississippi State University, *A Geospatial Analysis of Sidewalk Infrastructure in Relation to Social Sectors of a Small Southern Community.*

3129. Climate Model Assessments and Applications I (Sponsored by Geographies of Climate Change, Climate Specialty Group, Cryosphere Specialty Group)

Room: Ballroom D, TCC, First Floor (Paper Session)

ORGANIZER(S): Manuel Hernandez; Liang Chen, Texas A&M University

CHAIR(S): Manuel Hernandez

- 8:00** Liang Chen*, Texas A&M University; Oliver W. Frauenfeld, Texas A&M University, *Surface Air Temperature Changes over the 20th and 21st Century in China Simulated by 20 CMIP5 Models.*

- 8:20** Cary Lynch*, University of Washington, Climate Impacts Group; Anji Seth, PhD, University of Connecticut, *Wintertime variability in the Northeast United States: Evaluating CMIP5 historical experiments.*

- 8:40** Nellie Elguindi*, Andrew Grundstein, University of Georgia, Department of Geography; Sergio Bernardes, University of Georgia, Department of Geography, Center for Geospatial Research; Ufuk Turuncoglu, Informatics Institute, Istanbul Technical University, Istanbul, Turkey; Johannes Feddema, University of Kansas, Department of Geography, *Assessment of CMIP5 global model simulations and climate change projections for the 21st century using a modified Thornthwaite climate classification.*

- 9:00** Oliver W. Frauenfeld*, Texas A&M University; Liang Chen, Texas A&M University, *Evaluation of CMIP5 Precipitation Variability in China over the 20th and 21st Centuries.*

- 9:20** Jeff Ueland*, Bemidji State University, *Spatial volatility of global sea surface temperatures 1870-2012.*

3130. Thinking the 'smart city': power, politics and networked urbanism I

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Taylor Shelton, Clark University; Alan Wiig,

THURSDAY, APRIL 10 • 8:00 AM - 9:40 AM • 3100

- Temple University
CHAIR(S): Alan Wiig, Temple University
8:00 Thaddeus R Miller, PhD*, Portland State University, *The Technopolitics of Smart Cities and the Shaping of Our Urban Future*.
8:20 Taylor Shelton*, Clark University, *Beyond 'big' and 'smart': the relational and territorial politics of data-driven urban governance*.
8:40 Jessica Lingel*, Microsoft Research, *The Case for Slow Technologies in Policies of Urban Informatics*.
9:00 Matthew W. Wilson*, Harvard University, *Quantified Self-City-Nation*.
9:20 Charles Kaylor*, Temple University; Colleen Hammelman, Temple University -- GUS, *Assembling Broadband: The Case of the Philadelphia Keypoints Initiative*.

3131. Returning Terms: Postcolonialism and the Everyday in Literature, Culture and Development

- Room: Room 31, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Jonathan Pugh, Newcastle University, UK
CHAIR(S): Jonathan Pugh, Newcastle University, UK
8:00 Jonathan Pugh*, Newcastle University, UK, *Postcolonialism and the everyday*.
8:15 Lauren Tooker*, Department of Politics and International Studies, University of Warwick, *Unsettling Accounts: The Ordinary Ethics of Debt Reparations Debates in Haiti*.
8:30 Carine M Mardorossian*, University at Buffalo, *The Banality of Trauma in Caribbean Women's Fiction*.
8:45 Malachi McIntosh*, University of Cambridge, *Re-Writing Caribbean Lives: The Works of Samuel Selvon*.
9:00 Lydia M. Pulsipher*, University of Tennessee; Conrad M. Goodwin, Independent Scholar, *Daily Life: What else matters?*.

3132. Power and Development

- Room: Room 32, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Shae Bergfeld
8:00 Shae Bergfeld*, Longwood University, *The Virginia Tobacco Wars of 1781 Under General Benedict Arnold*.

3133. Rail Landscapes (Sponsored by Transportation Geography Specialty Group)

- Room: Room 33, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Michael Minn, University of Illinois
CHAIR(S): Michael Minn, University of Illinois
8:00 Taylor E. Mack*, Louisiana Tech University, *Honduras's First Railroad Contract, 1854: Transcription, Context, and Legacy of a Trans-Isthmian Dream*.
8:20 Luis E Ramos, Doctoral student*, The Florida State University; Jeffrey Brown, Ph.D., The Florida State University, *A Statistical Exploration of Factors Associated with Station-Level Streetcar versus Light-Rail Transit Ridership in the United States*.
8:40 Hyojin Kim*, University of North Carolina at Greensboro; Selima Sultana, Dr., University of North Carolina at Greensboro, *Challenge of High-Speed Rail in the United States: Can Upgraded Railway Show Significant Changes?*.
9:00 Chien-Hung Tung*, National Chung-Hsing University; Kangting Tsai, Landscape and Recreation Program Nation Chung-Hsing University, Taiwan; Thomas YH Liou, Department of Urban Planning and Spatial Information, Feng Chia University, Taichung, Taiwan, *Where Are We Now? - The Making of Cognitive Map, the Emergence of High-Speed Rail and the Time-space Compression Effect at Taiwan Youth*.
9:20 Tracy Whelen*, Mount Holyoke College, *Identifying Infrastructure Impediments to Higher-Speed Rail in the Cascadia Megaregion Using GIS Analysis*.

3134. Methodological Approaches for Describing Disease Distribution

- Room: Room 34, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Richard O Djukpen, Geology and Geography Department, University of Wisconsin Fox Valley
8:00 Oliver Gruebner*, Centre for Development and Environment (CDE), University of Berne, Switzerland; Samuel Kipruto, Kenya Bureau of Statistics (KNBS), Nairobi, Kenya; MMH Khan, Department of Public Health Medicine, School of Public Health, University of Bielefeld, Germany; Michael Frings, Geomatics Lab, Department of Geography, Humboldt-Universität zu Berlin, Germany; Urs Wiesmann, Centre for Development and Environment (CDE), University of Berne, Switzerland; Michael Epprecht, Centre for Development and Environment (CDE), University of Berne, Switzerland, *The spatial epidemiology of mortality in Kenya*.
8:20 Diego Cuadros*, Weill Cornell Medical College in Qatar; Adam Branscum, Oregon State University; Laith Abu-Raddad, Weill Cornell Medical College in Qatar, *Spatial distribution of the hepatitis C virus epidemic in Egypt*.
8:40 Peter Kimosop*, Bowling Green State University, *Spatial patterns of water-borne diseases in Kenya*.
9:00 Maurizio Gibin*, Department of Geography, Environment and Development Studies, Birkbeck, University of London; Ian Simms, UCL Sexual Health; Jakob Petersen, University of Essex, *Spatio-temporal modelling of Syphilis Cases in England 2011*.
9:20 Richard O Djukpen, Ph.D.*, Geology and Geography Department, University of Wisconsin Fox Valley, *Exploratory Spatial Data Analysis (ESDA) approach in the study of childhood diseases in Nigeria*.

3135. Cultural Geography of the American South (Sponsored by Study of the American South Specialty Group, The American South)

- Room: Room 35, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): The American South
CHAIR(S): Kent Mathewson, Louisiana State University
8:00 Brian Williams*, The University of Georgia, *White Supremacist Ideology and Agro-"Industry"*.
8:20 Ryan Covington*, University of Wisconsin-Milwaukee, *Rethinking the Oglethorpe Plan: historic preservation, environmental justice, and the reification of white space in Savannah, Georgia*.
8:40 David B Miller*, Northern Virginia Community College, *Geopolitics: A Local to Global Cartographic Perspective*.
9:00 Kent Mathewson*, Louisiana State University, *"South of the South": New Orleans' Place in the Southern Geographical Imaginary*.

3136. Climate Change: Energy, International Policy and Adaptation Strategies (Sponsored by Geographies of Climate Change)

- Room: Room 36, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Geographies of Climate Change
CHAIR(S): Brandi Grissino-Mayer, The University of Tennessee
8:00 Abigail N Martin, PhD Candidate*, University of California, Berkeley, *Carbon Cutting and Counting: Transnational cooperation in multi-level governance for the biofuel industry*.
8:20 Simona Prof. Epasto, Professor of Economic and Political Geography*, University of Messina; Simona Epasto, Professor of Economic and Political Geography, University of Messina, *Climate impact of exploration and production of shale gas and its economic, political and geopolitical effects*.
8:40 Adolf K.Y. Ng*, University of Manitoba, *Climate Change,*

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Adaptation Planning and Institutional Agents of Seaports: A Spatial Paradigm Shift?

9:00 Karly Bitsura-Meszaros*, Department of Parks, Recreation and Tourism Management, NC State University; Jordan W. Smith, Ph.D, Department of Parks, Recreation and Tourism Management, Center for Geospatial Analytics, NC State University, *Perceived Resilience to Climate Change and Political Ideology: Evidence from Three Case Studies and a Nationwide Online Marketplace-based Survey.*

9:20 Brandi Grissino-Mayer*, The University of Tennessee, *Climate, Capacity, and Conflict: An Approach to LDCs in a Changing Environment.*

3137. Conversations on Urban Space, Inequality, and the Contradictions of Social Infrastructure I

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Amanda Huron, University of the District of Columbia; Christian Anderson, University of Washington at Bothell

CHAIR(S): Amanda Huron, University of the District of Columbia

Introducer: Hillary Caldwell

8:20 Christian Anderson*, University of Washington at Bothell, *Lives in motion, structures in solution, and spaces in formation: the unstable social geography of a single New York City street.*

8:40 Kathryn Wells, PhD*, Virginia Tech, *The People's Right to Shelter.*

9:00 Carolyn Gallaher*, American University, *Helping the Tenant Class, but on What Terms?.*

3139. Paths toward Sustainable Payments for Ecosystem Services--I (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Li An, San Diego State University; Xiaodong Chen, University of North Carolina at Chapel Hill

CHAIR(S): Douglas A. Stow, San Diego State University

8:00 Weihua Xu*, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Zhiyun Ouyang, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, *Effects of nature reserves in protecting natural forest and ecosystems services in tropical Hainan, China.*

8:20 Drew E. Bennett*, Oregon State University, *Assessing ecological outcomes of PES at the landscape scale: An examination of Clean Water Services' Tualatin River Program..*

8:40 Glenn Hyman*, CIAT, *A Whole Landscape Approach to Reducing Emissions in the Central Peruvian Amazon.*

9:00 Felipe Murtinho, PhD*, Seattle University; Tanya M Hayes, PhD, Seattle University, *Collective Decision-Making to Participate in Payment for Ecosystem Services Programs: Evidence from the Ecuadorian Andes.*

9:20 Heejun Chang*, Portland State University, *Ecosystem services and scale: A spatial approach.*

3140. Rip Current and Nearshore Morphology (Sponsored by Coastal and Marine Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Keqi Zhang; Stephen B Leatherman, Florida International University; Thomas Allen, East Carolina University

CHAIR(S): Stephen B Leatherman, Florida International University

8:00 Charles Paxton*, University of South Florida, School of Geosciences, *Meteorological, Oceanographic, and Social Perspectives Associated with Rip Current*

Drownings.

8:20 Kathleen Fallon*, *Occurrence of Ridge-and-Runnel Beach Morphology at East Hampton, NY.*

8:40 Stephen B Leatherman*, Florida International University, *Rip current hazard on Florida and south Georgia beaches.*

3141. Geography of Culture, Ethnicity, Gender and Social Issues *West Hall, TCC, Third Floor (Poster Session)*

ORGANIZER(S): Program Committee

Matthew Palmer*, University of Oklahoma, *Nationalism in the Virtual Landscape: a case study of Ansar al-Mujahideen English Forum.*

Meghan Kelly*, University of Kansas, *Gendering Globalization through Visual Culture.*

Kenneth French*, University of Wisconsin-Parkside, *'Topomusica' in Florida Rap Music.*

Kylie Stackis, Undergraduate Sustainability Science Major*, Furman University; Betsy A. Beymer-Farris, Assistant Professor of Sustainability Science, Furman University, *A Feminist Political Ecology and Commodity Chain Analysis of a Grassroots Women's Pearl Oyster Jewelry Economic Development Project on Zanzibar Island, Tanzania.*

Emma V Cauley*, University of Wisconsin - Stevens Point; John Lapota*, University of Wisconsin - Stevens Point; William Langford, University of Wisconsin - Stevens Point; Kimberly Maedke, University of Wisconsin - Stevens Point; Kenneth Rovinski, University of Wisconsin - Stevens Point; Lisa Theo, University of Wisconsin - Stevens Point, *Paul Bunyan : American Folklore and Manifest Destiny.*

Bai Kai*, *Homes , Mosques and Graveyards: The Self- Narrative Style Interpretation of Hui's Religious Activity's Spatial Sense.*

Bonnie Brown*, SUNY-Geneseo, *Representing Geneseo Geography: GIS Applications in a Public Art Display.*

Lisa Theo*, University of Wisconsin-Stevens Point; Emma Cauley, University of Wisconsin-Stevens Point; William Langford, University of Wisconsin-Stevens Point; John Lapota, University of Wisconsin-Stevens Point; Kimberly Maedke, University of Wisconsin-Stevens Point; Kenneth Rovinski, University of Wisconsin-Stevens Point, *Paul Bunyan: Hero Worship and Economic Development.*

Danilo Piccoli Neto*, UNESP; Juliana Emy Carvalho Tanaka, UNESP, *Geolibertarianism Beyond Georgism: Property Rights and Spatial Organization Questions.*

Adrienne Ellis*, Gettysburg College; Randall K Wilson, PhD, Gettysburg College, *An Evolution of Landscape and Meaning: The Case of Gettysburg National Military Park.*

Jennifer L Immich, MGIS*, University of Minnesota, *Uncovering Medieval Landscapes in Ireland Using Lidar.*

G. Rebecca Dobbs*, University of North Carolina at Chapel Hill; John W. Sweet, University of North Carolina at Chapel Hill, *Gardiners Island, NY: illuminating four centuries of life, labor, and landscape through historical GIS.*

Margaret M. Gripshover*, Western Kentucky University; Christa A. Smith, Clemson University, *It's All a Facade: Searching for Origins of Hidden Houses of Bowling Green, Kentucky.*

Jun Liu*, School of Tourism Management, South China Normal University; Jun Liu, School of Tourism Management, South China Normal University, *Power Relations under Coastal Resort Redevelopment: Case of Huizhou XunLiao Bay, Guangdong, China.*

Yolonda Youngs, Ph.D.*, Idaho State University, *iPads as Situated Learning Tools : Historical Geography, Repeat Photography, and Field Work.*

Steven M. Manson*, University Of Minnesota; David Van

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- Riper, Minnesota Population Center; Tracy Kugler, PhD, Minnesota Population Center, *Terra Populus: Integrated Population-Environment Data*.
- Carol F. Sawyer*, University of South Alabama, *Historical gasoline building design and location, Yellowstone National Park, Wyoming*.
- E. Cory Sills, PhD*, The University of Texas at Tyler; Heather McKillop, PhD, Louisiana State University; Christian Wells, PhD, University of South Florida, *Chemical Signatures Reveal Ancient Activities at Chan b'i, an ancient Maya salt work, now underwater*.
- Erik Prout*, Texas A&M University, *Road Art: folk art and artistic expression along America's highways*.
- Meghan Healy, Student*, Keene State College; Shawn Queenan, Student, Keene State College; Kevin Spillane, Student, Keene State College, *Peterborough Parks and Recreation Inventory*.
- Jose A Torres, PhD Student*, University of Connecticut, *Special Events, Tourism, and the Reinvention of Guimarães, Portugal*.
- William Tamura*, State University of New York at Geneseo, *Mapping Residential Architecture in a National Historic Landmark District, Geneseo, NY*.
- Michelle Lefebvre*, Keene State College; Brian D Vose, Keene State College; Emma Fitzhenry, Keene State College, *Increasing the Green: A look at Potential Greenspace for the Keene Community*.
- Allen Finchum*, Oklahoma State University, *Changes in Golf Course Supply Across the US: 2001-2013*.
- Andrew McLucas*, United States Military Academy, *Where is the Next Brett Favre? A Geographic Analysis of Where Professional Football Players Attended High School*.
- Jim Davis*, Eastern Illinois University, *The Geography of NCAA Division I Wrestling*.
- Michael Corneise*, Eastern Illinois University, *Geographic Impacts of Amish-Themed Tourism in Central Illinois*.
- Jian-Yi Liu, Dr.*, Montana State University, *China's Urban System*.
- Tieshan Sun*, School of Government, Peking University, Beijing, China; Guoping Li*, School of Government, Peking University, Beijing, China, *Growth and Spatial Transformation of Large Cities in China since 1990*.
- Heather Ann Fischer, M.A. *, Arizona State University, *The Advantages and Disadvantages of Using 3-D Modeling to Show Artifact Distribution at 41WT69; The McAdoo Plantation Home*.
- Haley Jones, Furman University, Greenville, SC*, *Furman University, Retailer Signage and Product Labels in High-end versus Low-end Grocery Stores: Prevalence of Greenwashing Rates*.
- Langdon Smith*, Slippery Rock University, *Greening U.S. national parks: Expanding traditional roles to address climate change*.
- Grant Hendrix*, United States Military Academy, *Conflict in Congo: Resources Cursed by Leadership*.
- John T. Morgan*, Emory & Henry College, *The Geography of Paving Bricks in West Virginia*.
- Steven Lubrano*, Jordan R Potter, *Using GIS and Insider-Outsider Data to Map the Thousand Islands Culture Region*.
- Chao Chen*, University of South Carolina; Diansheng Guo, University of South Carolina, *Spatio-temporal Analysis of Event-driven Emotional Fluctuation through Twitter Network*.
- David A. Natvig*, University of Wisconsin - Madison, *Making Norway Attractive for a Skilled International Workforce*.
- Myles Labonte*, The University of Maine at Farmington, *Correlation Between Drug Crime and Pharmacy Robberies in Maine*.
- Katey Cox*, Florida International University; Leonardo Curiel, Florida International University; Alex Jaramillo, Florida International University; Asais Uzcategui, Florida International University; Derrick Scott, PhD, Florida International University; Franco Torres, Esq., Equal Justice Works Fellow, *Deportation Patterns in the State of Florida*.
- Ahmad Albassam*, Qassim University; Ahmad Albassam, Qassim University, *Urbanisation and Migration In Buraydah City In Saudi Arabia*.
- Alexandra Jaramillo*, Florida International University; Katey Cox, Florida International University; Derrick Scott, PhD, Florida International University; Leonardo Curiel, Florida International University; Franco Torres, Esq., Equal Justice Works Fellow; Asais Uzcategui, Florida International University, *Immigration Arrest Irregularities In The State Of Florida*.
- Peter Testa*, University of North Texas, *Assessing Relevant Geographic and Demographic Market Factors for Future Restaurant Locations: On the Border Mexican Grill and Cantina*.
- Ezra Zeitler*, University of Wisconsin-Eau Claire, *Institutional Racism and White Privilege examined through the use of Indigenous Team Names, Mascots, Imagery, and Tradition in United States High Schools*.
- Milford B Green*, Western University Canada, *The Economic Geography of Institutional Investment in Canada*.
- Alison E Feeny*, Shippensburg University, *GIS analysis of the Military Order of the Purple Heart Veterans thrift store donations*.
- Jianping Wu*, East China Normal University; Zhanhong Wang, East China Normal University; Bailang Yu, East China Normal University, *Spatio-temporal hot spots analysis on crime events using scan statistics: a case study of Shanghai, China*.
- Kazimierz Zaniewski*, University of Wisconsin, *Population Change in Europe: A Geographic Perspective*.
- Li Sha*, Institute of Geographic Sciences and Natural Resources Research, CAS, *Spatial distribution of population in Russia and its evolution*.
- Sean B. O'Hagan, Dr. *, Nipissing University, *An Examination of American Interlocking Directorates: Are they associated with Brain Circulation and Does it Translate into Higher Corporate Performance?*.
- 3155. The politics of the negative: exhaustion, alienation, hesitancy (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Grand Salon D, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Mitch Rose, Aberystwyth University; Paul Harrison, Durham University
CHAIR(S): Deborah P Dixon, University of Glasgow
8:00 David Bissell*, The Australian National University, *Passive Therapeutics of Commuting Milieus*.
8:20 Mitch Rose*, Aberystwyth University, *Hesitant democracy: responding to the Arab Spring*.
8:40 Peter Adey*, Royal Holloway, University of London, *Tem*.
9:00 John Wylie*, University of Exeter, *Landscape as not-belonging*.
- 3158. Teaching energy geographies: Successful approaches (Sponsored by Energy and Environment Specialty Group)**
Room: Grand Salon G, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Autumn Thoyre, UNC-Chapel Hill; Saska Petrova, University of Manchester
CHAIR(S): Conor Harrison, University of North Carolina
Panelists: Elvin Delgado, Central Washington University; Jessica K. Graybill, Colgate University; Matt Huber, Syracuse University; Stefan Bouzarovski, University of Manchester; Martin J. Pasqualetti, Arizona State University

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3159. Revolution Today (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:** Grand Salon H, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Yousuf Al-Bulushi, UNC-Chapel Hill
 Department of Geography; Stevie Larson
CHAIR(S): Stevie Larson
8:00 Ipsita Chatterjee*, University of North Texas,
Displacement, Revolution, and the New Urban Condition.
8:15 Silvano De La Llata, PhD Candidate*, Cornell University,
Spaces of Becoming. Destituent power and the 2011 protest encampments.
8:30 Yousuf Al-Bulushi*, UNC-Chapel Hill Department of
 Geography, *"That's why I'm a Socialist": South African Movement in Global Context.*
8:45 Ellen Louis*, *Understanding the Trayvon Moment through a Radical Black Feminist Reading of Song of Solomon.*
Discussant(s): Patrick Bond, University of KwaZulu-Natal

3160. Geographies of Entrepreneurship (Sponsored by Regional Development and Planning Specialty Group, Jobs and Careers, Urban Geography Specialty Group, Economic Geography Specialty Group)

- Room:** Grand Salon I, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Elizabeth A Mack, Arizona State University;
 Yasuyuki Motoyama, Ewing Marion Kauffman Foundation; Haifeng Qian, Cleveland State University
CHAIR(S): Yasuyuki Motoyama, Ewing Marion Kauffman Foundation
8:00 Elizabeth A Mack*, Arizona State University, *Intra-Metropolitan Entrepreneurial Activity: A Comparative Case Study of the Kansas City and Phoenix Metropolitan Areas.*
8:20 Haifeng Qian*, Cleveland State University, *Knowledge and entrepreneurship in cities.*
8:40 Yasuyuki Motoyama*, Kauffman Foundation, *Regional Analysis of Startups and High-Growth Firms.*
9:00 Robert Strom*, Ewing Marion Kauffman Foundation; Yasuyuki Motoyama, Ewing Marion Kauffman Foundation, *Call for Proposals: Metropolitan Entrepreneurship Research.*

3161. (Re)considering "regional" political ecologies: Theory, utility, and applications - Session I (papers) (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

- Room:** Grand Salon J, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Colleen Hiner, Texas State University;
 Innisfree Mckinnon, University of Oregon
CHAIR(S): Innisfree Mckinnon, University of Oregon
8:00 Jeffrey Jenkins*, University of California, Santa Cruz,
Between a rock and a hard place: Regional regulatory regimes of mining and energy development in the next American west.
8:20 Colleen C Hiner, PhD*, Texas State University, *Contested ecologies, species of capital, and a spectrum of (in) visibility: Explanations and expectations of use and function along the rural-urban interface.*
8:40 Soren Larsen*, University of Missouri, *We Will Not Rest: The Political Ecology of Cemetery Desecration in the Traditional Territory of the Cheslatta-Carrier Nation, British Columbia.*
9:00 Paul Robbins*, Nelson Institute for Environmental Studies - University of Wisconsin; Ashwini Chhatre, PhD, University of Illinois; Krithi Karanth, PhD, Centre for Wildlife Studies and Wildlife Conservation Society, *Coffee, Frogs, and Workers: Biodiversity in the commodity landscapes of India.*
9:20 Ryan E. Galt*, University of California, Davis, *The effects of competition and outsiders' rent seeking on*

Community Supported Agriculture: a regional analysis from a statewide study of California.

3163. Changing school systems: Geographical Perspectives

- Room:** Florida Salon II, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Eva K Andersson, Stockholm University; Bo Malmberg, Stockholms Universitet
CHAIR(S): Eva K Andersson, Stockholm University
8:00 Gerd Groezinger*, Flensburg University; Florence Baillet, Flensburg University, *Regional Mobility at the Entrance to Higher Education in Germany.*
8:20 Mikael Thelin*, Uppsala University; Thomas Nedomysl, Lund University, *Which school attributes matter for school choice? Evidence from a controlled experiment.*
8:40 Mark Henderson, PhD*, Mills College; Lorian Rice, PhD, Mills College, *Spatial Analyses of Voter Support for Desegregation Measures in San Francisco.*
9:00 Jess Porter*, University of Arkansas at Little Rock; John A. Kirk, University of Arkansas at Little Rock, *More than Central High: Historical racial redistricting in Little Rock, Arkansas.*
9:20 Bo Malmberg, Stockholm university; Eva K Andersson*, Stockholm University; Zara Bergsten, Uppsala university, *Composite geographical context and school choice attitudes in Sweden: A study based on individually defined, scalable neighborhoods.*

3165. Scale and Sustainability: Household, Neighborhood, Municipal, and Continental perspectives on US Residential Land Management. (Sponsored by Human Dimensions of Global Change Specialty Group, Scale and Sustainability)

- Room:** Florida Salon IV, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Colin Polsky, Clark University
CHAIR(S): Colin Polsky, Clark University
8:00 Colin Polsky*, Clark University; Morgan Grove, US Forest Service; Chris Knudson, Clark Univ.; Peter Groffman, Cary Institute of Ecosystem Studies; Sharon Hall, Arizona State University; Kelli Larson, Arizona State University; James Heffernan, Duke University; Laura Ogden, Florida International University; Rinku Roy Chowdhury, Indiana University; Christopher Neill, Marine Biological Laboratory; Diane Pataki, University of Utah; Sarah Hobbie, University of Minnesota; Jeanine Cavender-Bares, University of Minnesota; Kristin Nelson, University of Minnesota; Jarlath O'Neill-Dunne, University of Vermont, *Is Urbanization Homogenizing Lawncare?: Comparing U.S. Fertilizing and Irrigation Practices across Social and Biophysical Gradients.*
8:20 Dexter H Locke*, Clark University; Colin Polsky, PhD, Clark University, *How does scale matter? Influences of Lawn Care Practices in Cities, Neighborhoods, and Households.*
8:40 Kelli L Larson*, Arizona State University, *Ecosystem Service Preferences and Residential Landscape Management: Homogeneity, Heterogeneity, and Scale in Urban Sustainability.*
9:00 Rebecca I. Garvoille*, University of Montana; Laura A. Ogden, Associate Professor, Florida International University; Jeffrey Onsted, Assistant Professor, Florida International University, *Suburbanization as Socio-Ecological Assemblage: A Multi-Scalar Approach to Suburban Sameness and Difference in Southern Florida.*
9:20 James Fraser*, Vanderbilt University; George Hornberger, Vanderbilt University, *Landscapes of Desire: the effect of private neighborhood governance on environmental decision-making.*

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3166. Southern Exposure: Hazards, Risks, and Disasters in the American South (Sponsored by Study of the American South Specialty Group, The American South, Hazards, Risks, and Disasters Specialty Group)

- Room:** Florida Salon V, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Ronald L Schumann, University of South Carolina; Kevin Ash, University of South Carolina
 CHAIR(S): Ronald L Schumann, University of South Carolina
8:00 Kevin Ash*, University of South Carolina, *Should I Stay or Should I Go Now? Perspectives on Tornado Sheltering Among Manufactured Home Residents in South Carolina.*
8:20 Joe Weber*, University Of Alabama; Bronwen Lichtenstein, University of Alabama, *Building Back: Stratified Renewal after an EF-4 Tornado in Tuscaloosa, AL..*
8:40 Elyse Zavar*, Texas State University, *The Value of ReOpened Space: Perspectives of the Flood Buyout Program in Lexington, KY.*
9:00 Ronald L Schumann*, University of South Carolina, *What Do You Mean, Recovery? (Re)Placing, Rethinking, and Remembering Recovery on the Mississippi Coast since Katrina.*
9:20 Brian J. Pompeii*, Arizona State University, Glendale Community College, *The Production of Landscapes and Vulnerability: Ocracoke Island, North Carolina.*

3168. Geographies of Media 5: Cinema and the Postindustrial City (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

- Room:** Meeting Room 1, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Joseph Palis, North Carolina State University; Johan Andersson, King's College London
 CHAIR(S): Johan Andersson, King's College London
8:00 Andrew Frassa, M.A. Film Studies*, *Politics of Space and Identity: Heterogeneity of the Urban Self in My Brother the Devil.*
8:20 Johan Andersson*, King's College London, *Dispossession and the picturesque: the ruinous cinematic landscape of New York City 1980-1985.*
8:40 Amy Corbin*, Muhlenberg College, *Encounters and Embeddedness: The Urban Cinema of Ramin Bahrani.*
9:00 Camilla Fojas*, DePaul University; Carolina Sternberg, DePaul University, *Medianeras (Sidewalls) in neoliberal Buenos Aires.*
 Discussant(s): Ken Hillis, University Of North Carolina - Chapel Hill

3169. Tourism to War and Conflict Areas: Shades of Darkness (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room:** Meeting Room 2, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Rudi Hartmann, University of Colorado
 CHAIR(S): Rudi Hartmann, University of Colorado
8:00 Dominique Vanneste*, University of Leuven (KU Leuven); Myriam Jansen-Verbeke, University of Leuven (KU Leuven), *Mapping landscapes of war memories.*
8:20 Dallen J. Timothy*, Arizona State University; Alon Gelbman, Kinneret College on the Sea of Galilee, Israel, *Dealing with Darkness: Tourism and Geopolitics in the Successor States of the Former Yugoslavia.*
8:40 Rudi Hartmann*, University of Colorado; Rudi Hartmann, University of Colorado Denver, *Tourism to War Memorial Sites with a Controversial History: Pacific War Heritage Sites.*
9:00 Nitasha Sharma, Doctoral student*, Indiana University, *Beyond the shades of darkness: a case study from India.*

3170. Geography of Wine -- Old World (Sponsored by Wine Specialty Group)

- Room:** Meeting Room 3, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Juana Ibáñez, University of New Orleans
 CHAIR(S): Denyse Lemaire, Rowan University
8:00 Guillaume Giroir*, University of Orléans (France), *The development of wine theme parks in China: the case of Beijing Changyu AFIP Global..*
8:20 Aaron J. Kingsbury, PhD*, Mayville State University, *Constructed heritage and co-produced meaning: the re-branding of wines from the Koshu grape.*
8:40 Jana C Brady*, Louisiana State University, *An ArcGIS Assessment of At-Risk Vineyards Vulnerable to Temperature Change in the Western Cape Province, South Africa.*
9:00 Denyse Lemaire, Ph.D*, Rowan University, *Wine Regions of South Australia in 2014.*

3171. Technological power and expert authority in and beyond the state (Sponsored by Cultural and Political Ecology Specialty Group)

- Room:** Meeting Room 4, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Claude Peloquin, University of Arizona; Majed Akhter, Indiana University
 CHAIR(S): Jamie McEvoy, Montana State University
8:00 Phil Johnstone, Dr*, University of Sussex, *Discontinuity in technological systems: exploring distributed and contested expertise in the governance of nuclear power.*
8:20 Lowery Parker*, University of Georgia, *Governing dissent: Theorizing the ban of genetically modified crops in Kenya.*
8:40 Majed Akhter*, Indiana University, *Cold War infrastructures: Financing and contesting the Indus Basin Plan, 1960-1970.*
9:00 Claude Peloquin*, University of Arizona, *Locusts, aid, and the topology of developmental statecraft.*

3172. Economic Geography V - Crisis Impact/Response and Regional Development

- Room:** Meeting Room 5, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; David Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
 CHAIR(S): Jennifer Clark, Georgia Institute of Technology
8:00 Pablo Fuentenebro*, United Nations Environment Programme, *In a Time of Crisis: Regional Development and Cultural Infrastructures in Spain in the Post-2008 Context.*
8:17 Shiri M Breznitz*, University of Toronto; Paige A Clayton, Georgia Institute of Technology, *One City, Three Universities: The Impact of the 2008 Economic Crisis on Research Output.*
8:34 Rikard H. Eriksson, Department of Geography and Economic History, Umeå University; Emelie Hane-Weijman*, Department of Geography and Economic History, Umeå University, *How do regional economies respond to crises? The geography of job creation and destruction in Sweden (1987-2010).*
8:51 Mikhail Martynovich*, Lund University; Karl-Johan Lundquist, Lund University, *Technology-Induced Structural Change and Reallocation of Labour: Evidence from a Panel of Swedish Regions.*
9:08 Rikard Eriksson*, Umea University; Högni Hansen, Copenhagen University; Lars Winther, Copenhagen University, *Uneven Regional Development: Employment Growth, Human Capital and New Economy Sectors.*
 Discussant(s): David Rigby, UCLA

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- 3173. Stand Your ground: Geographies of Violence and the Uneven Legal Landscape (Sponsored by Racism and Violence, Ethnic Geography Specialty Group)**
Room: Meeting Room 6, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Joe Darden, Michigan State University; Audrey L. Kobayashi, Queen's University
 CHAIR(S): Joe Darden, Michigan State University
 Discussant(s): Audrey L. Kobayashi, Queen's University
 Panelists: Joshua Inwood, University of Tennessee; David Wilson, University Of Illinois
- 3174. Business Geography - Applied (Sponsored by Jobs and Careers, Business Geography Specialty Group)**
Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Linda A. Peters, Esri
 CHAIR(S): Linda A. Peters, Esri
8:00 Anil Rupasingha, Federal Reserve Bank of Atlanta; Kyungsoon Wang*, Federal Reserve Bank of Atlanta & Georgia Institute of Technology, *Community Reinvestment Act (CRA) Loans and Small Business Dynamics.*
8:20 Marshia Akbar*, York University, *A Comparative Study of Formal and Informal Businesses Operated by Bangladeshi Immigrant Women in Toronto.*
 Discussant(s): SHENGYANG YAO, National Taiwan University
- 3177. Polar Geographies I: Urbanization in the Arctic (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group, Polar Geography Specialty Group)**
Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Scott Stephenson, UCLA; Kelsey Nyland, George Washington University
 CHAIR(S): Andrey Petrov, University of Northern Iowa
8:00 Barret Weber*, University of Alberta, *Towards a politics of development in the Arctic: urban mobility.*
8:20 Kelsey E. Nyland*, The George Washington University; Nikolay I Shiklomanov, The George Washington University; Ryan N Engstrom, The George Washington University, *Dense Time Stack Landsat Imagery Analysis to Examine the Urban Development and Decay in the Russian Arctic: Case Study of Noril'sk and Dudinka.*
8:40 Timothy Heleniak*, University of Maryland, *International Migration in the Arctic.*
9:00 Nikolay Shiklomanov*, The George Washington University; Kelsey E. Nyland, The George Washington University; Dmitry A Streletskiy, The George Washington University, *Finding Hope in the Darkest of Days: Sustaining the Urban Core of Noril'sk under Changing Socio-Economic and Climatic Conditions..*
- 3178. Examining the Social Coast (Sponsored by Coastal and Marine Specialty Group)**
Room: Meeting Room 9, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Andrew T Bennett, Barton College; Thomas Crawford, East Carolina University
 CHAIR(S): Andrew T Bennett, Barton College
8:00 Thomas Crawford*, East Carolina University; Tom Allen, East Carolina University; Calvin Harmin, East Carolina University; Zach Oyer, East Carolina University, *Residential Septic System Vulnerability to Sea Level Rise in Coastal North Carolina.*
8:20 Andrew T Bennett, PhD*, Barton College, *Applying a Conceptualized Coastal Restructuring Model to Understand Trajectories of Change in Barrier Beach Communities.*
8:40 Barbara L. E. Walker, Ph.D.*, UC Santa Barbara; Caroline Pomeroy, Ph.D., UC Santa Cruz; Nicole Georgilas, UC Santa Cruz; Carolynn Culver, Ph.D., UC Santa Barbara; Kimberly Selkoe, Ph.D., UC Santa Barbara, *Something's Fishy in Alternative Food Networks and Markets.*
- 9:00** Heidi J. L. Lannon, Ph.D.*, Santa Fe College, *Planning and land use responses to beach profile dynamics, northwest Florida coast..*
9:20 Tim A Stojanovic, PhD*, University of St Andrews, *International Approaches to Marine Planning: conceptualising sustainability in the coastal zone..*
- 3179. Border Militarization (Sponsored by Political Geography Specialty Group)**
Room: Meeting Room 10, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Reece Jones, University of Hawaii at Manoa; Corey Johnson, University of North Carolina - Greensboro
 CHAIR(S): Corey Johnson, University of North Carolina - Greensboro
8:00 Sarah GIRARD*, PACTE Territoires, *Urban safety issues in a cross-border metropolis: when technology contributes to restructuring the border.*
8:20 Elena Dell'Agnese*, Università Di Milano-Bicocca, *Political frontiers are back: post-territorial borders and the militarization of the Mediterranean Sea.*
8:40 Matthew Longo*, Yale University, *Border Securitization in the US after 9/11.*
9:00 Jill Williams*, University of Hawai'i-Manoa, *Humanitarian Reason and the Shifting Technologies of Border Enforcement.*
9:20 Martin Geiger*, Carleton University, *Sequestration, Government Shutdown, Immigration Reform and the US Homeland Security Industrial Complex.*
- 3180. Remote Sensing of Drylands and Savannas: Challenges and Opportunities-I (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Biogeography Specialty Group)**
Room: Meeting Room 11, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Niti Mishra, university of texas austin
 CHAIR(S): Rebecca Powell, University Of Denver
8:00 Daniel Levine*, Kelley Crews*, University of Texas, *Assessment of savanna woody encroachment in the Kalahari leveraging NDVI and vegetation plots.*
8:20 David Gwenzi*, Colorado State University; Michael Andrew Lefsky, Dr., Colorado State University, *Spaceborne Lidar Canopy Height Estimation In Savannas.*
8:40 Miguel Villarreal*, U.S. Geological Survey; Cynthia S.A. Wallace, U.S. Geological Survey; Laura M Norman, U.S. Geological Survey; Michelle A. Coe, University of Arizona, *Effects of climate, soils and species composition on multitemporal satellite estimates of desert grassland cover.*
9:00 John Maingi*, Miami University; Kimberly E. Medley, Miami University, *Using Landsat TM/ETM+ and MODIS data to map and characterize vegetation types at Mt. Kasigau, Kenya.*
9:20 Niti B Mishra*, university of texas austin; Kelley A Crews, university of texas at austin, *Estimating fractional land cover in semi-arid central Kalahari: The impact of mapping method (spectral unmixing versus object based image analysis) and vegetation morphology.*
- 3181. Climates, Environments and Migrations: Indigenous connections (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Indigenous Peoples Specialty Group)**
Room: Meeting Room 12, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): RDK Herman, National Museum of the American Indian

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8:00 Alvaro Montenegro*, Ohio State University; Richard T Callaghan, University of Calgary; Scott M Fitzpatrick, University of Oregon, *From West to East: Environmental Influences on the Rate and Pathways of Polynesian Colonization.*

8:20 Michael Harrison, Ph.D.*, Virginia Commonwealth University, *Understanding the Role of ENSO in Possible Polynesian Out-Migration from Easter Island to South America.*

8:40 Maureen Meyer*, University of New Mexico, *Dominica: Examining Culture through Medicinal Plant Use.*

9:00 Gashawbeza Bekele*, Tennessee State University, *Harnessing the Financial and Human Capital of the African Diaspora for Africa's Development.*

Discussant(s): RDK Herman, National Museum of the American Indian

3182. Agrarian Development in Africa and South America: Connections and Comparisons (Sponsored by Latin America Specialty Group, Africa Specialty Group, Development Geographies Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Pratyusha Basu, University of South Florida, Tampa; Bernardo M. Fernandes, Sao Paulo State University - UNESP; Ana Almeida, UNESP

CHAIR(S): Pratyusha Basu, University of South Florida, Tampa

8:00 Bernardo M. Fernandes*, Sao Paulo State University - UNESP, *What happened to the agrarian question in agricultural cooperation between Brazil and Mozambique?.*

8:20 Elizabeth Alice Clements, Master's student in Geography*, UNESP, *An analysis of the ProSAVANA program focusing on the role of Brazil: paradigms, policies and strategies for rural territorial development in Mozambique.*

8:40 Ana Almeida*, UNESP, *Aspects of health in peasant territories.*

9:00 Pratyusha Basu*, University of South Florida, Tampa, *Pasts and Futures of Smallholder Farming: Case Studies from Kenya.*

Discussant(s): James Klepek, Rollins College

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3201. Developments in Later Modern War - Materialities

Room: Room 1, TCC, First Floor (Paper Session)

ORGANIZER(S): Craig A Jones, UBC; Derek Gregory, University of British Columbia

CHAIR(S): Jeremy Crampton, University of Kentucky

10:00 Ron Smith*, Bucknell University, *Globalization and Punishment - Siege as the Humanitarian Option.*

10:20 Craig A Jones, PhD Candidate*, UBC, *Frames of Law: Operationalising & Transnationalising the Battlespace.*

10:40 John Morrissey*, University of Cambridge, *Securitizing Instability: The Notional Legal Spectrum.*

11:00 Gaston Gordillo*, University of British Columbia, *Ambient Thickness: Terrain and the Shifting Materiality of Combat Zones.*

11:20 Derek Gregory*, University of British Columbia, *Seeing like a military.*

3203. Rethinking skilled migration 2: Context of reception (Sponsored by Population Specialty Group, Economic Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee; Qingfang Wang, University of North Carolina at Charlotte

CHAIR(S): Qingfang Wang, University of North Carolina at Charlotte

10:00 Michael C Ewers*, Texas A&M University, *Expatriate labor mobility and urban development in rapidly globalizing areas: the cases of Dubai and Abu Dhabi.*

10:20 Jorg Ploger*, ILS - Research Institute for Regional and Urban Development, *Local (dis)connections - high-skilled migrants and urban development processes.*

10:40 Micheline van Riemsdijk*, University of Tennessee, *Recruitment of Engineers to Norway's Oil and Gas*

Industry: A Multi-Scalar Perspective.

11:00 Lucia Lo, Professor*, York University, *Skilled or unskilled: a perennial question facing immigrants to Canada.*

Discussant(s): Emily Skop, The University Of Colorado At Colorado Springs

3204. Law, Culture, and Place, II: International Contexts

Room: Room 4, TCC, First Floor (Paper Session)

ORGANIZER(S): John Carr, University of New Mexico

CHAIR(S): John Carr, University of New Mexico

10:00 Lindsay Shade*, University of Kentucky, *Politics Below the Surface: Parcellation, Place and Struggles for Land in Extractive Economies.*

10:20 Hyeseon Jeong*, The Ohio State University, *No Property, No Standing: "Absolute Preservation" of state power over people and nature.*

10:40 Erica Farmer, Dr.*, Smithsonian Institution, *Pairing places and policies: Uniting sociocultural value, place, and meaning through geographical indications law.*

11:00 Sylvia Nam*, University of California, Riverside, *Governing Property in Phnom Penh through the Excess of Law.*

11:20 Tyler McCreary*, York University, UBC, *Court Orderings of Indigenous Protests against Resource Extractive Industries in Canada.*

3205. Latino/a Geographies of/in the American South (Sponsored by Study of the American South Specialty Group, The American South)

Room: Room 5, TCC, First Floor (Panel Session)

ORGANIZER(S): Jeff Popke, East Carolina University

CHAIR(S): Jeff Popke, East Carolina University

Discussant(s): Jamie Winders, Syracuse University

Panelists: Caroline Nagel, University of South Carolina; Heather

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Smith, University of North Carolina at Charlotte; Andy Walter, University of West Georgia; Angela Stuesse

3206. Hazards, Risks, and Disasters S.G. Session: Disaster Recovery and Resilience (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Philip L. Chaney, Auburn University

CHAIR(S): Burrell Montz, East Carolina University

10:00 Michael Hooper*, Harvard University, *Priority Setting Amid the Rubble: A Study of Organizational Approaches to Post-Disaster Reconstruction in Haiti.*

10:20 Deanna H Schmidt, PhD*, University of Houston-Clear Lake, *Planning for Disaster Response and Recovery with Faith-Based and Secular Nonprofit Organizations.*

10:40 Naomi W. Lazarus*, University of Connecticut, *Evaluating Community Resilience under Conditions of an Environmental Disaster: The Case of the Deep Water Horizon Oil Spill.*

11:00 Robin Leichenko*, Rutgers University; William D. Solecki, Hunter College, CUNY, *Hurricane Sandy, Disaster Recovery, and the Seeds of Urban Transformation.*

11:20 Burrell Montz*, East Carolina University; Robert Brinkmann, Hofstra University; Christopher W Niedt, Hofstra University; Jaclyn Catania, East Carolina University, *Planning for Recovery from Hurricane Sandy: the Long Island Example.*

3207. FQG: Intimate Ecologies of Social Reproduction II: Intimate Livelihoods (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Paul Jackson, Dartmouth College

CHAIR(S): Paul Jackson, Dartmouth College

10:00 Carly Nichols*, University of Arizona, *'Time ni hota hai': a gendered political ecology of food and nutrition in Uttarakhand, India.*

10:20 Zoe Pearson*, Ohio State University, *"Illegal" substance consumption and the geographies of social reproduction.*

10:40 Diana Gildea*, Lund University, SUNY, *Global Food Price Shocks and the Crisis of Socio-Ecological Reproduction.*

11:00 Jennifer J Casolo, PhD*, Universidad Rafael Landivar, *The Hunger Games: The Politics of Re/Production and the Right to Food in Guatemala's Ch'orti' Highlands.*

3208. Geopoetics II (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Eric Magrane

CHAIR(S): Eric Magrane

10:00 Bob Boon, Ph.D.*, University of Missouri, *Liminal Voice/ Strange Conversations.*

10:20 Wendy Burk*, The University of Arizona, *Post-Self, Post-Human: Poet as Scribe and Bat.*

10:40 Kenneth D. Madsen*, The Ohio State University; David B. Ruderman, The Ohio State University, *Robert Frost's Ambivalence: Borders and Boundaries in Poetic and Political Discourse.*

11:00 Tim Cresswell*, Northeastern University, *The Fence Furthest North.*

Discussant(s): Mrill Ingram

3209. FQG: New Turns In Feminist Political Geography: Challenging the Subjects and Objects of Politics, I (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa;

Vanessa Massaro, Penn State University

CHAIR(S): Vanessa Massaro, Penn State University

10:00 Diana Ojeda*, Pontificia Universidad Javeriana, *War and Tourism: The Banal Geographies of Security in Colombia's "Retaking".*

10:15 Sara Koopman*, Balsillie School, Wilfrid Laurier University, *Women as the true civilian keepers of the peace? Gender dynamics in international protective accompaniment.*

10:30 Jenna Christian*, The Pennsylvania State University, *Militarized youth: connecting the school-to-prison pipeline with a school-to-military pipeline.*

10:45 Azita Ranjbar*, The Pennsylvania State University, *Shifting Narratives and Counter-Discourses of Environmental Rights in Iranian Azerbaijan.*

Discussant(s): Lise Nelson, Penn State University

3210. The Economy of Cities II

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): John R Miron, University of Toronto; Ying Ge

CHAIR(S): John R Miron, University of Toronto

10:00 Ying Ge*, Scholl of Earth Science and Engineering, Hohai University; John Miron, UTSC Department of Human Geography, University of Toronto; Yan Li, School of Earth Science and Engineering, Hohai University, *The identification of growth machines (regimes) using Ripley's K-functions.*

10:20 David S. Bieri, Ph.D., University of Michigan; Eric M. Huntley*, University of Michigan, *Retheorizing the Urbanization of Capital: 200 Years of Evidence from Detroit.*

10:40 Ke Ding, Institute of Developing Economies-JETRO; Toshitaka Gokan*, Institute of Developing Economies-JETRO; Xiwei Zhu, Zhejiang University, *Search, matching, and self-organization of a marketplace.*

11:00 Evan Cleave*, University of Western Ontario; Godwin Arku, University of Western Ontario, *The Role of Place Branding in Place Management and Local Economic Development: An examination of the knowledge and understanding amongst Economic Development Practitioners in Ontario, Canada..*

Discussant(s): John R Miron, University of Toronto

3211. New Horizons in Tourism Mobilities

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Jillian Rickly-Boyd, Indiana University

CHAIR(S): Daniel Knudsen, Indiana University

10:00 Amanda Kercmar*, University of Washington Bothell, M.A. Cultural Studies, *Below the Deck: A Critical Mapping of Luxury Cruise Culture.*

10:20 Kellee Caton, PhD*, Thompson Rivers University; Colleen Pastoor, BTM Honours, Thompson Rivers University; Yaniv Belhassen, PhD, Ben-Gurion University of the Negev; Billy Collins, MA, Thompson Rivers University; Mark Wallin, PhD, Thompson Rivers University, *Let There Be Rock! Ideological Production at the Christian Youth Music Festival.*

10:40 William O'Brien*, Florida Atlantic University; Wairimu Njambo*, Florida Atlantic University, *Mermaids, Nature, and Park Ideals at Florida's Weeki Wachee Springs State Park.*

11:00 Rebecca Sheehan, PhD*, Oklahoma State University, *Creating "Authentic" Artist Identities through Place and Tourism in New Orleans's Jackson Square.*

11:20 Daniel Knudsen*, Indiana University; Jillian Rickly-Boyd, Indiana University; Amy Savener, Indiana University; Elizabeth Vidon, Indiana University, *The Fantasy of Authenticity.*

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3212. Spatiotemporal Thinking, Computing and Applications 11: Environmental Informatics (Sponsored by Cyberinfrastructure Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Yunfeng Jiang, George Mason University; Min Sun, GMU

CHAIR(S): Min Sun, GMU

10:00 Xicheng Tan*, Wuhan University, George Mason University, *The Study of Spatial Information Eco-chain in the coming Big Data Era.*

10:20 Yue Cui*, Michigan State University, *Simulation of Saltwater Fishing in Florida by an Agent-based Model.*

10:40 Johnny KA Wong, Ph.D.*, University of South Florida, *Troubled Waters: Georgia, Florida and Alabama's Conflict Over the Waters of the ACF River Basin.*

11:00 Matthew D. Adams*, McMaster University; Pavlos S. Kanaroglou, McMaster University, *Supplementing baseline air pollution monitoring networks for identifying health effects..*

3214. Career Mentoring C (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers

CHAIR(S): Mark Revell, Association of American Geographers
Discussant(s): Lowry Taylor, U.S. Department of State; Deanna McCay, Syracuse University Press; Mark Barnes, Rutgers, The State University of New Jersey; Richard A. Earl, Texas State University; Kaile Bower, U.S. Census Bureau

3215. Outside/inside the higher ed machine: insights from critical theorists in admin

Room: Room 15, TCC, First Floor (Panel Session)

ORGANIZER(S): Geraldine J. Pratt, University Of British Columbia; Matthew Sparke, University Of Washington

CHAIR(S): Geraldine J. Pratt, University Of British Columbia

Panelists: Geraldine J. Pratt, University Of British Columbia; John Paul Jones, University of Arizona; Matthew Sparke, University Of Washington; Wendy Larner, University of Bristol; Susan Wurtele, Trent University

3216. The William L. Garrison Award for Best Dissertation in Computational Geography (Sponsored by Association of American Geographers)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): David Cowen, University Of South Carolina

CHAIR(S): David Cowen, University Of South Carolina
Introducer: David Cowen

10:10 Yiyi Wang*, Montana State University, *A New Spatial Model for Predicting Multivariate Counts: Anticipating Pedestrian Crashes across Neighborhoods and Firm Births across Counties.*

Discussant(s): Eric Shook, Kent State University

3217. Issues in Ethnic Geography - II (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Stavros T Constantinou, Ohio State University

CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan

10:00 Jacqueline A Housel*, Sinclair CC; Colleen Quinlan Saxen; Tom Wahlrab, *A "Politics of Resourcefulness": Welcoming Immigrants to Dayton, Ohio.*

10:20 Alan P Marcus*, Towson University, *Geography, Race, and the Diffusion of Blues.*

10:40 Ira Martin Sheskin, PhD*, University of Miami; Arnold Dashefsky, University of Connecticut, *Estimates of the*

US Jewish Population.

11:00 Weronika A Kusek*, Kent State University, *Immigrant Experiences - Polish Female Migrants in London.*

11:20 Stavros T Constantinou*, Ohio State University; Milton E Harvey, Kent State University, *Three Generations of Greek Americans: A Multi-sample Analysis.*

3218. The Future of Human Dimensions of Global Change Research (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Room 18, TCC, First Floor (Panel Session)

ORGANIZER(S): Josh Newell, University of Michigan; Colin Polsky, Clark University

CHAIR(S): Colin Polsky, Clark University

Panelists: B L Turner II, Arizona State University; Diana Liverman, University of Arizona; David Lopez-Carr, UC Santa Barbara; Glen MacDonald, UCLA

3219. GIScience in Geoarcheology

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bryan Bommersbach, Western Michigan University

10:00 Cornelis Stal, MSc., Ghent University, Department of Geography; Philippe De Maeyer*, UGent; Berdien De Roo, MSc., Ghent University, Department of Geography; Bart De Wit, MSc., Ghent University, Department of Geography; Alain De Wulf, Prof. Dr. ir., Ghent University, Department of Geography; Britt Lonneville, BSc., Ghent University, Department of Geography; Timothy Nuttens, MSc., Ghent University, Department of Geography, *From image-based modeling using an UAV to a 3D archaeological GIS: a case study.*

10:20 Jean-Claude Thill*, University of North Carolina at Charlotte; Dennis Ogburn, University of North Carolina at Charlotte; Kara Tiller, University of North Carolina at Charlotte; Zhaoya Gong, University of North Carolina at Charlotte, *The Inca Site Geospatial Database: Prototype Development.*

10:40 Corrine Coakley*, Kent State Geography Dept., *Exploratory Spatial Pattern Analysis of Artifact Distribution on a Household Scale at the Ancient Maya Archaeological Site of Xuenkal, Yucatan.*

11:00 Charles W Emerson*, Western Michigan University; Robert L Anemone, University of North Carolina, Greensboro, *Applying Geospatial Analytical Techniques to Paleontological Field Studies.*

11:20 Bryan L Bommersbach*, Western Michigan University; Robert Anemone, University of North Carolina-Greensborough; Charles Emerson, Western Michigan University, *Predictive Modeling in the Search for Vertebrate Fossils: Geographic Object Based Image Analysis (GEOBIA) in the Eocene of Wyoming..*

3220. Symposium on Synergistic Advances of CyberGIS and Geography: Fostering Synergistic Advances of CyberGIS and Geography (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Association of American Geographers)

Room: Room 20, TCC, First Floor (Panel Session)

Organizers: Shaowen Wang, University of Illinois at Urbana Champaign

Timothy Nyerges, University of Washington

Michael F. Goodchild, University of California, Santa Barbara

Chair: Shaowen Wang, University of Illinois at Urbana Champaign

Panelists: Eric Sheppard, AAG Past President, University of California, Los Angeles

Thomas Baerwald, National Science Foundation

Kenneth E Foote, University of Connecticut

Discussants: Michael F. Goodchild, University of California,

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Douglas Richardson, AAG Executive Director

Susan Cutter, University of South Carolina

CyberGIS - geographic information science and systems (GIS) based on advanced infrastructure of computing, information, and communication technologies (aka: cyberinfrastructure or e-infrastructure) - has emerged over the past several years as a vibrant interdisciplinary field. It has played essential roles in enabling computing- and data-intensive geospatial research and education across a number of domains, with significant societal impact. The panelists and discussants will address synergistic advances of CyberGIS and Geography by building on the success of the CyberGIS Symposium at the 2013 Annual Meeting. The AAG 2014 Symposium on CyberGIS and Geography and includes a large number of panel and paper sessions.

3221. Rural Geography Research 2: Asia, and Middle and South America (Sponsored by Rural Geography Specialty Group)

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): Dawn M Drake, Missouri Western State University

CHAIR(S): Dawn M Drake, Missouri Western State University

10:00 John Finn*, Christopher Newport University; Yulia G. Sarduy, Universidad Central "Marta Abreu" de las Villas, *Food Revolution: Agricultural Systems, Environmental Impact, and Food Cultures in Cuba*.

10:20 Richard Vercoe*, University of Georgia, PhD student, *Conserving Heritage "Agri-Culture": Are peasants the Walking Dead or are they the survivors of an agricultural apocalypse?*.

10:40 Adam Parrillo*, University of Wisconsin - Green Bay, *Empowering Rural Communities in the Midst of Regional Urbanization: Approaching Regional Agropolitan Development in the Ecuadorian Amazon*.

11:00 Kyonghwan Park*, Chonnam National University, *The emergence of idyllic housing market and the transformation of rural geographies in South Korea*.

11:20 Daniel Sumner*, Virginia Tech; Maria Elisa Christie, PhD, Virginia Tech; Stephane Boulakia, PhD, Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD); Manuel Reyes, PhD, North Carolina A&T, *Gendered Impacts of Conservation Agriculture: Exploring Men's and Women's Labor Allocation, Decision-Making Power, and Access to Information in Battambang Province, Cambodia*.

3222. Addressing Tampa Themes from China (Sponsored by China Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Guo Chen, Michigan State University

CHAIR(S): Xiaoyan Zhou

10:00 Shiran Zhong*, University at Buffalo, State University of New York; Ling Bian, University at Buffalo, State University of New York, *Analysis of Influenza Transmission using Dynamic Location Networks*.

10:20 Chao Jiang*, Center of Integrated Geographic Information Analysis, School of Geography and Planning, Sun Yat-sen University; Guangdong Key Laboratory for Urbanization and Geo-simulation, Guangzhou China; Lin Liu, Center of Integrated Geographic Information Analysis, School of Geography and Planning, Sun Yat-sen University; Department of Geography, University of Cincinnati, *Research Progress of Crime Geography Studies in China*.

10:40 Jaysen Kralovetz*, University of Maryland, Department of Geographical Sciences, *Determining Economic Access to Residential Care Facilities for the Elderly in Beijing, China*.

11:00 Xiaoyan Zhou*, Wuhan University and Kent State University; Xinyue Ye, Kent State University; DAVID

KAPLAN, Kent State University, *Understanding urban issues in China and the USA through a comparison of urban geography textbooks*.

11:20 Jie Yu*, Queens University; Mark Rosenberg, *Aging at Home in Beijing: A Study of Supportive Community-based Care in China*.

3223. Making Cultural Cities in Asia II (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Yang Yang, University of Colorado at Boulder; Jun Wang, City University of Hong Kong; Tim Oakes, University of Colorado

CHAIR(S): Yang Yang, University of Colorado at Boulder

10:00 Yang Yang*, University of Colorado at Boulder, *Mimicries of the past: Calculating with the nostalgic Han-Tang imaginary as a modernizing technique in Xi'an, China*.

10:20 Jay Bowen*, Department of Geography, University of Kentucky, *Spaces of Restriction and Leisure: Seoul's Vision of the Creative City*.

10:40 Hui-Fang Liu*, University of Leeds, *Urban Regeneration Station - A case study of Creative city in Taipei*.

11:00 Roger C.K. Chan*, The University of Hong Kong, *State-Space in Urban China - Cultural Hubs in Shanghai and Guangzhou*.

Discussant(s): Shenjing He, Sun Yat-Sen University

3224. Economic, Cultural, and Regional Geography

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Matthew Liesch, Central Michigan University

10:00 Iuliia Y. Zykova*, University of Northern Iowa; Andrey N. Petrov, University of Northern Iowa; Timothy E. Heleniak, University of Maryland, *Developing Census Atlas of Russia 2010*.

10:08 Jennifer A. Johnston*, Springfield College, *Spirit of Place in Children's Picture Books Set in New England*.

10:16 Marzieh Ghiasi*, McGill University; Nancy A. Ross, McGill University, *Health resources in socioeconomically contrasting Canadian ethnic enclaves*.

10:24 Joseph A Quintana*, University of Wisconsin-Eau Claire; Ezra Zeitler, University of Wisconsin Eau Claire, *Impacts of Corporate Water Parks on Residents' Sense of Place and Place Promotion in Wisconsin Dells and Lake Delton, Wisconsin*.

10:32 Brad Jackson*, City of Austin, TX, *Land-Use Zoning and Local Clustering of High-Tech Firms in Austin, Texas*.

10:40 Erin Beasley*, Yale School of Forestry and Environmental Studies, *Social Network Mapping of Improved Cookstove Adoption in Honduras*.

10:48 Zhuo Chen*, University of Wisconsin- Madison, *Consumer Lifestyle and Trade Area Size-- A Study of Tesco in Ireland and Czech Republic*.

10:56 Elizabeth Bastian*, University of Michigan Dearborn; Dr. Jacob Napieralski, PhD, University of Michigan Dearborn, *Analyzing Walkability and Nutritional Access in Metropolitan Detroit*.

11:04 Linda Dunklee*, Central Michigan University; Matthew Liesch*, Central Michigan University, *Michigan's Vernacular Regions Through Business Naming Practices*.

3226. Climate Specialty Plenary Session: Dire Predictions: Understanding Global Warming (Sponsored by Geographies of Climate Change, Climate Specialty Group)

Room: Ballroom A, TCC, First Floor (Panel Session)

Introduction: **Doug Richardson**, AAG Executive Director

Organizer: **Jill Coleman**, Ball State University

Speaker: **Michael Mann**, Penn State University

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Dr. Michael E. Mann is Distinguished Professor of Meteorology at Penn State University, with joint appointments in the Department of Geosciences and the Earth and Environmental Systems Institute (EESI). He is the author of more than 160 peer-reviewed and edited publications, and has published two books including *Dire Predictions: Understanding Global Warming* in 2008 and *The Hockey Stick and the Climate Wars: Dispatches from the Front Lines* in 2012. He is also a co-founder and avid contributor to the award-winning science website RealClimate.org. A 40-50 minute presentation followed by Q & A session with the audience.

3229. Climate Model Assessments and Applications II (Sponsored by Geographies of Climate Change, Climate Specialty Group, Cryosphere Specialty Group)

Room: Ballroom D, TCC, First Floor (Paper Session)

ORGANIZER(S): Manuel Hernandez; Liang Chen, Texas A&M University

CHAIR(S): Liang Chen, Texas A&M University

10:00 Manuel Hernandez*, WHOI, SOARS, Texas A&M University; Caroline Ummenhofer, Physical Oceanography, WHOI; Kevin Anchukaitis, Geology and Geophysics, WHOI, *Links Between Regional Monsoon Circulation and Local Hydro-climate in Southeast Asia*.

10:20 Jie Song*, Northern Illinois University, DeKalb, IL 60115, USA; Hongyun Ma, Key Laboratory of Meteorological Disaster of Ministry of Education, Nanjing University of Information Science and Technology, Nanjing 210044, China; Zhihong Jiang, Key Laboratory of Meteorological Disaster of Ministry of Education, Nanjing University of Information Science and Technology, Nanjing 210044, China, *Impact of Preindustrial to Present-day Changes in Urbanization and Pollutant Emissions on the East Asian Summer Monsoon*.

10:40 Tianna A. Bogart, PhD*, Frostburg State University, *Sensitivity of a Global Climate Model to the urban land unit*.

11:00 Sara Rauscher*, Department of Geography; Xiaoyan Jiang, National Center for Atmospheric Research; Allison Steiner, University of Michigan, *Simulating Future Vegetation-Climate Trajectories over the Tropics using a Hybrid Multi-Model Approach*.

3230. Thinking the 'smart city': power, politics and networked urbanism II

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Taylor Shelton, Clark University; Alan Wiig, Temple University

CHAIR(S): Taylor Shelton, Clark University

10:00 Gregory Donovan, PhD*, Saint Peter's University, *Configuring a 'Right to the City' with a 'Right to Research': Towards a Participatory Smart Urbanism*.

10:20 Sarah Barns, Dr.*, University of Western Sydney, *The Platform Urbanists: Data infomediaries and the emergent politics of open data for urban management..*

10:40 Rob Kitchin*, National University Of Ireland; Tracey P Lauriault, Dr, National University of Ireland Maynooth; Sung-Yueh Perng, Dr, National University of Ireland Maynooth, *Smart cities and the politics of urban data*.

11:00 Venkata Krishna Kumar Matturi*, Harvard University, *Dissecting the Impact of Networked Infrastructure in Rio de Janeiro*.

11:20 Alan Wiig, MA*, Temple University, *The Smart City in Philadelphia: Working Towards Digital Inclusion or Perpetuating Splintering Urbanism?*.

3231. Vehicular Transportation Outcomes

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zhixiao Xie, Florida Atlantic Univ,

10:00 Yingying Duan*, LREIS, IGSNRR, Chinese Academy of Sciences; Feng Lu, LREIS, IGSNRR, Chinese Academy of Sciences, *Identifying Proper Spatial Units for Urban Road Traffic Velocity Forecasting*.

10:20 Kolawole T Gbadamosi*, Centre for Transport Studies; Kolawole Taofeek Gbadamosi, PhD, Centre for Transport Studies Olabisi Onabanjo University, Ago-Iwoye Ogun State Nigeria, *Spatio-Temporal Trend of Road Traffic Accident Fatalities and Its Management in Nigeria..*

10:40 Luis R Ortiz Sanchez*, University of Puerto Rico - Río Piedras, *Traffic Deaths and Police Intervention in Puerto Rico*.

11:00 Xiaoguang Wang*, Geography Department, Central Michigan University; Chao Liu, National Center for Smart Growth, University of Maryland; Lidia Kostyniuk, University of Michigan Transportation Research Institute; Qing Shen, Department of Urban Design and Planning, University of Washington; Shan Bao, University of Michigan Transportation Research Institute, *The Influence of Street Environments on Fuel Efficiency: Insights from Naturalistic Driving*.

11:20 Zhixiao Xie*, Florida Atlantic Univ.; Jun Yan, Department of Geography and Geology, Western Kentucky University, Bowling Green, KY 42101, USA, *Detecting traffic accident clusters with network kernel density estimation and local spatial statistics: an integrated approach*.

3232. Found Security and Sovereignty

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University

10:00 John Brohman*, Simon Fraser University; Francisco Gallegos, Simon Fraser University, *Food Sovereignty/ Security in Bolivia: Translation of the National Policy Framework to a Campesino Community in Tarija*.

10:20 Cavell S Francis, BA, MSc*, University of the West Indies Mona, *Farmers' perception of Food Security and Climate Change: implications for policy development in the Caribbean*.

10:40 Angel David Cruz Baez*, University of Puerto Rico, *Reinventing Agriculture in Puerto Rico. Can it be done?*.

11:00 Laura Cano Amaya*, Texas State University, *Household Resilience to Food Insecurity Index: Conceptual and Methodological Questions*.

11:20 Sutapa Chattopadhyay*, UNU-Merit & Maastricht University, *Indigenous women contravene green colonialism and patriarchy, an analysis of gendered class struggles and autonomous food producing initiatives*.

3233. Understanding transport policy (Sponsored by Transportation Geography Specialty Group)

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Mathes Wilde, Goethe-Universität Frankfurt, Institut für Humangeographie

CHAIR(S): Mathes Wilde, Goethe-Universität Frankfurt, Institut für Humangeographie

10:00 Hsin-chih Yen*, Dept. of Geography, National Taiwan Normal University; Chih-wen Hung, Dept. of Geography, National Taiwan Normal University, *Routes networks of Northwest Airlines in East Asia: political and economic perspective*.

10:20 Keith Debbage*, University of North Carolina at Greensboro, *The Geopolitics of Airport Slot Allocations in the North Atlantic market*.

10:40 Andrew Seedhouse, PhD*, Student, *The Opportunity of*

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ITSO for Smart Ticketing.

11:00 Devon M Lechtenberg*, University of Illinois, *The Policy Capacity of Government Ministries and the Evolution of Highway Infrastructure Policy in Poland since 1989.*

11:20 Peter Malcolm Jones, Professor*, UCL, *Understanding Urban Transport Policy - Changing Landscapes.*

3234. Primary Source Surveys with Results and Discussion

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Chung Chang, City University of New York

CHAIR(S): Chung Chang, City University of New York

10:00 Alexandra Silva*, University of Illinois at Chicago, *The Buzz about Bees: Adolescent Knowledge, Attitudes, and Perceptions of Bees.*

10:20 Zhongwei Liu, Ph.D.*, Department of Geography and Regional Planning, Indiana University of Pennsylvania; William J. Smith Jr., Ph.D., Department of Anthropology, University of Nevada, Las Vegas, NV 89154, USA, *Climate change knowledge and risk perceptions: ranchers/farmers vs. the general public in Nevada.*

10:40 Chung Chang*, NYC Dept of Housing Preservation and Development; Ahuva Jacobowitz, NYC Dept of Housing Preservation and Development; Elyzabeth Gaumer, NYC Dept of Housing Preservation and Development, *Defining Neighborhood: An Analysis of How Respondents Define the Boundaries of their Own Residential Community.*

3235. Heritage, community, and religion in the American South (Sponsored by Study of the American South Specialty Group, The American South)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill

CHAIR(S): Gerald R Webster, University of Wyoming

10:00 Tyrel G. Moore, Dr.*, University of North Carolina - Charlotte, *Southern Rural Heritage Lost, Southern Rural Heritage Regained: Textile Mill Reuse in the Post Industrial Piedmont of North and South Carolina.*

10:20 David Dorrell, Ph.D.*, Georgia Gwinnett College, *Strip Mall Ethnicity: The Cultures of Suburban Atlanta.*

10:40 Jordan Garling*, Calvin College; Katherine Hankins, PhD, Georgia State University; Andy Walter, PhD, University of West Georgia, *Sense of Community and Perception: A Study of South Atlanta.*

11:00 Deanna Christianson*, University of Tulsa; Katherine Hankins, PhD, Georgia State University; Andy Walter, PhD, University of West Georgia; Steve Holloway, PhD, University of Georgia, *How Neighborhood Residents and Members of Faith-based Organizations Perceive Spatial Injustice in South Atlanta: A Preliminary Exploration.*

11:20 Gerald R Webster*, University of Wyoming; Robert Watrel, South Dakota State University; J. Clark Archer, University of Nebraska; Stanley D. Brunn, University of Kentucky, *Bible Belt Denominational Membership Patterns, Correlates and Landscapes.*

3236. Models and approaches to understanding surface and groundwater quality (Sponsored by Water Resources Specialty Group)

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Joseph Zume, Shippensburg University

CHAIR(S): Joseph Zume, Shippensburg University

10:00 Molly Moore*, Shippensburg University; Joseph Zume*, Shippensburg University, *An Appraisal of Hydraulic Fracturing, Water Quality Implications, and Social Response in the Northern-tier Susquehanna Watershed.*

10:20 Augustine Aywunudiogba*, California State University Stanislaus, *Geographic Information Systems-Based Analysis of River Basin Morphometric Parameters: Implications for Hydrological Response Modeling..*

10:40 Paul Wendel, Otterbein University; Shaker Ramasamy,, Mansfield University of Pennsylvania; Bingqing Liang*, University of Northern Iowa, *Studying the Impact of Marcellus Shale Gas Drilling Activities on Groundwater Quality in North-Central Pennsylvania.*

11:00 Amber Ignatius, Doctoral Candidate*, University of Georgia, *Water Quality Impacts of Small Artificial Reservoirs in Agricultural, Developed, and Forested Watersheds of Northern Georgia, U.S.A..*

11:20 Lisa Emili, Dr*, Penn State University, *Surface water quality in headwater streams of the Chesapeake Bay watershed.*

3237. Conversations on Urban Space, Inequality, and the Contradictions of Social Infrastructure II

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Amanda Huron, University of the District of Columbia; Christian Anderson, University of Washington at Bothell

CHAIR(S): Christian Anderson, University of Washington at Bothell

Introducer: Kathryn Wells

10:20 Hillary Caldwell*, CUNY Graduate Center, *Land in trust, trust in community: Reflections on a homeless-led initiative to form Community Land Trusts in New York City.*

10:40 Amanda Maude Huron, PhD*, University of the District of Columbia, *Working the Urban Commons.*

Discussant(s): Carolyn Gallaher, American University

3239. Paths toward Sustainable Payments for Ecosystem Services-II (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Li An, San Diego State University; Stephen Crook; Conghe Song, UNC Chapel Hill

CHAIR(S): Conghe Song, UNC Chapel Hill
10:00 Anand R Roopsind*, Iwokrama International Centre; University of Florida; Raquel Thomas, PhD, Iwokrama International Centre; Angela Franklin, MSc, Iwokrama International Centre, *Institutional requirements for monitoring and benefit sharing in PES schemes: A case study from Guyana..*

10:20 Brian E Robinson*, McGill University; Hua Zheng, PhD, Chinese Academy of Sciences, *Ecosystem services for whom? A spatial assessment and modeling of the distribution of benefits from ecosystem services.*

10:40 Armando Sanchez-Vargas*, National Autonomous University of Mexico; Diana Del Cisne Encalada-Jumbo*, Universidad Técnica Particular de Loja, *Climate Change and Households' Willingness to Pay for Protecting High Quality Water and Its Provision in a Small Basin at Ecuador.*

11:00 Aaron M Lien*, University of Arizona, Udall Center for Studies in Public Policy, *Build it and They Will Come? Payments for Watershed Services in the Delaware River Basin.*

11:20 Conghe Song*, UNC Chapel Hill; Xiaodong Chen, UNC Chapel Hill; Ying Mei, Anhui Agricultural University; Qi Zhang, UNC Chapel Hill, *Contrasting the Impacts of China's Sloping Land Conversion Program and Natural Forest Protection Program on Participating Farmer's Livelihood.*

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3240. Pan-American Geography: Working across Academic, NonProfit, and Public Sectors to enrich Research and Education in the Americas (Sponsored by Latin America Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): David Salisbury, University Of Richmond;

Patricia A. Solís, Association of American Geographers

CHAIR(S): Patricia A. Solís, Association of American Geographers

Introducer: David Salisbury

Discussant(s): Patricia A. Solís, Association of American Geographers

Panelists: Pablo Fuentenebro, United Nations Environment Programme; Stephen Perz, University of Florida; Glenn Hyman, CIAT; Fausto O. Sarmiento, University of Georgia

3241. Water Resources, Hydrology, and the Environment

Room: West Hall, TCC, Third Floor (Poster Session)

ORGANIZER(S): Program Committee

Bruce Clemens, Furman University Professor; Kristian Daniel Hajny*, Furman University, *Water and Wealth: A Guatemalan Case Study*.

Anthony M Foyle, Ph.D.*, Penn State Erie - The Behrend College; Michael D Naber, Ph.D., Penn State Erie - The Behrend College, *Groundwater as a cause of coastal upland loss on the Pennsylvania coast of Lake Erie, USA..*

Grant Strauss, Undergraduate Sustainability Science Major*, Furman University; Betsy A. Beymer-Farris, Assistant Professor of Sustainability Science, Furman University, *An Institutional Analysis of Marine and Coastal Resource Management for the Menai Bay Conservation Area in Zanzibar Island, Tanzania*.

Karen Zelzer*, Missouri State University; Robert Pavlowsky, Professor of Geography, *Recent shoreline erosion rates along the south coast of Jamaica*.

Fatima Cecunjanin*, Southern Connecticut State University, *Coastal Climatic Stressors on Developing Countries: Response, Mitigation, and Resiliency*.

Taylor D Holden*, University of Richmond; Austen Kelso*, University of Richmond; Andrew Pericak, University of Richmond; Todd Lookingbill, Dr., University of Richmond; Kimberly Klinker, University of Richmond; Jeff Allenby, Chesapeake Conservancy, *Identifying Sediment and Nutrient Hotspots in the Chesapeake Bay Watershed*.

Alison M Tenhulzen*, University of Massachusetts Amherst; Bingqing Liang, PhD, University of Northern Iowa, *Assessing the impact of land cover on water quality in Cedar Falls, Iowa using hyperspectral imaging*.

Stephen G. Tsikalas, Ph.D.*, Jacksonville State University; Phillip T. Jones, Jacksonville State University; Najeda L. Patolo, M.A., Jacksonville State University, *Establishing current levels of E. coli in local streams in Jacksonville, AL*.

MaryJeanne Buonocore*, Southern Connecticut State University, *The State of Rainwater Harvesting in the U.S..*

Amelia Erlandsen*, Department of Geography and City & Regional Planning, California State University, Fresno; Mohan B. Dangi, Department of Geography and City & Regional Planning, California State University, Fresno; Karen Jimenez*, Department of Geography and City & Regional Planning, California State University, Fresno; Sergio Moreno, Jr., Department of Biology, California State University, Fresno, *Survey of Agricultural Runoff in Surface Water Sources in San Joaquin River*.

Yang Lang*, Beijing Normal University Michigan State

University; Maura Casey, Michigan State University; Lifeng Luo, Michigan State University, *Evaluation of Drought Monitoring using Three Global Reanalysis Products*.

Kaitlin Colandrea*, Southern Connecticut State University, *Geovisualization and Analysis of Small Hydroelectric Power Plant Development Projects in Turkey*.

Sovik K Nath*, University of South Florida, USA; Kamal Alsharif, University of South Florida, USA; Matthias Huss, University of Fribourg, Switzerland, *Analysis of glacier mass balance measurements using distributed modeling*.

Nicolle E Lebrón-López*, University of Puerto Rico at Cayey; Armando L Meléndez-Rivera, University of Puerto Rico at Cayey; Javier A. Arce-Nazario, Ph.D., Institute of Interdisciplinary Studies, UPR Cayey, *Watershed land cover composition, precipitation and their effects on surface water fecal contamination*.

Vinson Aaron Williams*, Minnesota State University; Phillip Herman Larson, Ph.D., Minnesota State University, *Geostatistical and Geospatial Analysis of I/I into Wastewater Treatment Infrastructure*.

Zhongyang Guo*, East China Normal University, *Investigating the warm water discharge from Tianwan Nuclear Power Station in Jiangsu Province, China: a comparison of different methods using remotely sensed images*.

Sarmistha Chatterjee*, University of Delaware; Melinda D Daniels, Stroud Water Research center, *Stream Network Fragmentation and Drought Combine to Drive Native Fishes from the Great Plains*.

Ross J Guida*, Southern Illinois University, Carbondale; Taylor L. Swanson, Southern Illinois University, Carbondale; Jonathan W.F. Remo, Southern Illinois University, Carbondale, *Strategic Floodplain Reconnection for the Lower Tisza River, Hungary: Opportunities for flood-height reduction and floodplain-wetland reconnection*.

William Renwick*, Miami University, *Lakes in the United States represented in the National Hydrography Dataset (NHD)*.

Mitchell Dziekan*, University of Michigan - Dearborn; Ryan Keeling, University of Michigan - Dearborn; Jacob Napieralski, PhD; Kelly Kobberstad, University of Michigan - Dearborn; Chad Rhodes, University of Michigan - Dearborn; Andrew Kelly, University of Michigan - Dearborn, *Stream Network Characteristics: A potential indicator of urbanization in the Rouge River Watershed*.

Jeffrey Colby*, Appalachian State University; Bobbie Jo Swinson, Appalachian State University; Chuanhui Gu, Appalachian State University; James Balcomb, Appalachian State University; Cameron Carlyle, Appalachian State University; Shea Tuberty, Appalachian State University, *Analysis of a Water Quality Monitoring Program Database in the Upper South Fork of the New River Watershed*.

Stanley T Mubako*, University of Texas at El Paso; Benjamin L Ruddell, Arizona State University; Alex S Mayer, Michigan Technological University, *Linking economic water use, freshwater ecosystem impacts, and virtual water trade in a Great Lakes watershed*.

Aihong Fu*, Yaning Chen; Weihong Li, *Impact of climate change on water requirement of main crops in Yanqi basin, China*.

Aaron Dennis*, The Pennsylvania State University, *Njokamoni Ecosystem Services and Health Impacts: Exploring the spatial context of a small Tanzanian river*.

Scott Lecce*, East Carolina University; Robert Pavlowsky, Missouri State University, *Floodplain Contamination in the Viburnum Trend Mining District, Missouri*.

Sahar Zavareh*, Oregon State University, *Sustainable Water*

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Financing for Stakeholders in Rural Communities Using an Innovative System Dynamics Model.

James Earl Link, USMA CDT*, United States Military Academy, *Finding Solutions to Negate the Environmental Degradation of Lake Victoria.*

Stephanie Messa*, Western Washington University, *Resilient and Effective Ecosystem Governance: The Abbotsford-Sumas Aquifer International Task Force Two Decades Later.*

Steve Oxley*, University of Wisconsin - La Crosse, *The Dissolution of Lead Contaminants in the La Crosse River Marsh.*

Weihong Li*, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Chenggang Zhu, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Xiang Huang, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Analysis on the water environment change of lake inland river basin in arid area.*

Peter Tereszkiwicz*, University of West Florida; Klaus J Meyer-Arendt, PhD, University of West Florida, *Sediment Variation within the Swash Zone, Northwest Florida.*

Huixuan Li*, Auburn University; Yingru Li, Auburn University, *Spatial Modeling of Heavy Metal Water Pollution in China using Residual Kriging.*

Robert Donovan*, Dept. of Earth and Environmental Sciences, Furman University; Brannon Andersen, Dept. of Earth and Environmental Sciences, Furman University; John Quinn, Department of Biology, Furman University, *Human Appropriation of Net Primary Productivity of an Agriculturally-Dominated Watershed, Southeastern USA.*

Nickolas Patch*, Kansas State University, *Influences of Dams on Meander Migration Characteristics, Great Plains, USA.*

Julie McKnight*, University of Tennessee, Knoxville; Alec Murphy, University of Tennessee, *Assessing the Integration of Carbon Sequestration in Constructed Wetlands into a Federal Incentive-Based Agricultural Conservation Program.*

Khila Dahal*, Dept. of Geography, Texas State University, *Environmental risk assessment of global trans-boundary lakes and reservoirs.*

3255. Kurdish Geopolitics (Sponsored by Political Geography Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Sanan Moradi, Miami University; Till Paasche, Université de Neuchâtel
CHAIR(S): Till Paasche, Université de Neuchâtel
Discussant(s): Carl T. Dahlman, Miami University; Nurettin ÖZGEN

3256. The Gender, Place and Culture Jan Monk Distinguished Annual Lecture (Sponsored by Geographic Perspectives on Women Specialty Group, Animal Geography Specialty Group, Development Geographies Specialty Group)

Room: Grand Salon E, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Peter Hopkins, Newcastle University, UK; Sapana Doshi, University of Arizona, Tucson
CHAIR(S): Lynda Johnston, University of Waikato
Introducer: Sapana Doshi
Introducer: Lynda Johnston
10:10 Alice J Hovorka*, University Of Guelph, *Feminism & Animals: exploring interspecies relations in Botswana and beyond.*

3258. Geographic perspectives on wind energy (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group)

Room: Grand Salon G, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Jamie Baxter, University Of Western Ontario; Carol Atkinson-Palombo, University of Connecticut
CHAIR(S): Jamie Baxter, University Of Western Ontario
10:00 Geraint Ellis, Prof.*, Queen's University Belfast; Richard Cowell, Dr, Cardiff University; Peter A Strachan, Prof., Robert Gordon University, Aberdeen; Dave Toke, Dr., Aberdeen University, *Planning, Devolution and the Territorialisation of Wind Energy in the UK.*
10:20 Tanya Christidis, PhD Student*, University of Waterloo; Phil Bigelow, Associate Professor, University of Waterloo, *Understanding opposition and qualified support for wind turbines in Ontario, Canada.*
10:40 Stewart Fast, PhD*, Queen's University; Warren Mabee, PhD, Queen's University, *Where does wind work for host communities?: Comparing five wind farms along eastern Lake Ontario.*
11:00 Ben Hoen*, Lawrence Berkeley National Laboratory; Carol Atkinson-Palombo, University of Connecticut, *Impacts of Wind Turbine Proximity on Property Values in Massachusetts.*
11:20 Chad J.R. Walker*, Western University; Jamie Baxter, PhD, Western University; Danielle Ouellette, Western University, *Insult and Injury: Origins of psychosocial stress in Ontario wind turbine communities.*

3259. Mountain Geography: Physical and Human Dimensions (Sponsored by Mountain Geography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Fausto O. Sarmiento, University of Georgia; Richard A. Marston, Kansas State University
CHAIR(S): Fausto O. Sarmiento, University of Georgia
Introducer: Fausto O. Sarmiento
Discussant(s): Richard A. Marston, Kansas State University
Panelists: Martin F Price; Carol Harden, University of Tennessee; Donald Friend, Minnesota State University; Axel Borsdorf, Universität Innsbruck

3260. Geographies of Entrepreneurship II (Sponsored by Regional Development and Planning Specialty Group, Jobs and Careers, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Grand Salon I, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Elizabeth A Mack, Arizona State University; Yasuyuki Motoyama, Ewing Marion Kauffman Foundation; Haifeng Qian, Cleveland State University
CHAIR(S): Haifeng Qian, Cleveland State University
10:00 Jitendra Parajuli*, George Mason University; Kingsley E. Haynes, George Mason University, *New Firm Formation in New England.*
10:20 Sabine Panzer-Krause*, University of Hildesheim, *Sustainable Innovations in Rural Regions: Social-Spatial Interrelations of Opportunity Recognition.*
10:40 Josephine V Rekers*, Lund University; Markus Grillitsch, Lund University, *Users, innovation and demand-oriented policies: The case of hospitals and MedTech in Southern Sweden.*
11:00 Piotr Silka*, IGIPZ PAN, *Geography of potential innovation in Poland.*

3261. (Re)considering "regional" political ecologies: Theory, utility, and applications - Session II (panel) (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Grand Salon J, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Colleen Hiner, Texas State University; Innisfree Mckinnon, University of Oregon
CHAIR(S): Colleen Hiner, Texas State University

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Discussant(s): Rod Neumann, Florida International University
 Panelists: Peter Walker, University Of Oregon; Ryan Galt, University of California, Davis; Soren Larsen, University of Missouri; Dianne E Rocheleau, Clark University; Laura Taylor, York University

3263. Human Dynamics in the Mobile Age: Linking Physical and Virtual Spaces I (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Florida Salon II, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Ming-Hsiang Tsou, San Diego State University; Shih-Lung Shaw, University of Tennessee

CHAIR(S): Xinyue Ye, Kent State University

10:00 Ling Yin*, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences; Shih-Lung Shaw, Department of Geography, The University of Tennessee, Knoxville; Jinxing Hu, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, *Privacy risk versus privacy preservation for research using individual mobile phone tracking data.*

10:20 Agnieszka Leszczynski*, Queen's University, *Locational privacy is dead, long live locational privacy.*

10:40 Yang Xu*, University of Tennessee; Shih-Lung Shaw, University of Tennessee; Ziliang Zhao, University of Tennessee, *A home-centered approach to studying human mobility patterns using mobile phone records.*

11:00 Ming-Hsiang Tsou*, San Diego State University, *Building a New Research Agenda for Geographers: Human Dynamics in the Mobile Age (HDMA).*

Discussant(s): Daniel Sui, The Ohio State University

3265. Perspectives on Rural Sustainability: Scale and Place I - Livelihoods (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Scale and Sustainability)

Room: Florida Salon IV, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Lisa Butler Harrington, Kansas State University

CHAIR(S): Firooza Pavri, University Of Southern Maine

10:00 Eloise M Biggs, PhD*, University of Southampton; Caroline Donohue, MSc, University of Southampton, *Spatial monitoring of socio-environmental change for sustainable development: developing a multidimensional livelihoods index.*

10:20 Souyeon Nam*, Texas A&M Univ., *"Why is this farm road concrete-covered?" Conflicting Visions of Landscape on the Jeju Olle Trail, South Korea.*

10:40 Zachary Christman, PhD*, Rowan University; Hamil Pearsall, PhD, Temple University; Birgit Schmook, PhD, El Colegio de la Frontera Sur--Chetumal; Sofia Mardero, El Colegio de la Frontera Sur--Chetumal, *Adaptive Capacity in the Post-Agriculture Frontier: Coping with Changing Economic and Climatic Conditions in the Usumacinta Valley of Chiapas, Mexico.*

11:00 John A Cross, Ph.D.*, University of Wisconsin-Oshkosh, *Sustainability Issues in America's Dairyland.*

3267. European Research Council - Top European grants for brilliant minds from across the world

Room: Florida Salon VI, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Katja Meinke, ERCEA

CHAIR(S): Katja Meinke, ERCEA

Panelists: Katja Meinke, ERCEA; Manuel Franco, University of Alcalá; Andres Rodriguez-Pose, London School Of Economics; Viktoria Bodnarova, ERCEA

3268. Geographies of Media 6: Urban Sound in Media

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Torsten Wissmann, Institute of Geography, University Mainz; Joseph Palis, North Carolina State University

CHAIR(S): Stefan Zimmermann, Institute of Geography

10:00 Euan Hague*, DePaul University; Patrick McHaffie, DePaul University, *A Dip In the Lake on Campus: A Performance GIS.*

10:20 William R Flynn*, Oklahoma State University, *Sense of Place in the Musical Landscapes of Smooth Jazz.*

10:40 Torsten Wissmann*, Institute of Geography, University Mainz, *The Fall of Vancouver. Degrees of Alienness in Popular Cultural Audio Drama.*

11:00 William Mackaness*, The University of Edinburgh; Phil Bartie, University of Stirling, Scotland; Tiphaine Dalmás, The University of Edinburgh.; Srin Janarthanam, Heriot-Watt University, Edinburgh; Oliver Lemon, Heriot-Watt University, Edinburgh; Xingkun Liu, Heriot-Watt University, Edinburgh; Bonnie Webber, The University of Edinburgh., *Talk the Walk and Walk the talk: Design, Implementation and Evaluation of a Spoken Dialogue System for Route Following and City Learning.*

3269. Black Liberations

Room: Meeting Room 2, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Katherine McKittrick, Queen's University

CHAIR(S): Katherine McKittrick, Queen's University

Panelists: Simone Browne, University of Texas at Austin; Katherine McKittrick, Queen's University; Ruth Wilson Gilmore, Graduate Center, City University of New York

3270. Change in Viticulture (Sponsored by Wine Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Adam Mathews, Texas State University-San Marcos

CHAIR(S): Adam Mathews, Texas State University-San Marcos
 Introducer: Adam Mathews

10:05 Anthony B Shaw, Ph.D.*, Brock University, *Climate Extremes and Impacts on Cool Climate Wine Regions of Ontario, Canada.*

10:25 John P. Tiefenbacher*, Texas State University, *Climate Change and "Experimental" Viticulture in the Margins: Growth, Change, and the Future of Hybridized Grape Varieties Created for Past Climates of the North Central United States.*

10:45 Adam J. Mathews*, Texas State University-San Marcos; Andrew Hall, Charles Sturt University; Bruno Holzapfel, Charles Sturt University, *Potential changes to grapevine post-harvest carbohydrate reserve accumulation in a warming climate: The case of Shiraz in Australia.*

11:05 Thomas Shelton*, Texas State University, *Tourism or Terroir ? - Change in the Texas Hill Country.*

3271. Cultural Geographies 'author meets critics' review forum: Lifeblood: Oil, Freedom, and the Forces of Capital_ by Matthew Huber

Room: Meeting Room 4, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Scott Kirsch, University of North Carolina at Chapel Hill; Robert Wilson, Syracuse University

CHAIR(S): Scott Kirsch, University of North Carolina at Chapel Hill

Introducer: Scott Kirsch

Discussant(s): Matt Huber, Syracuse University; Geoff Mann, Simon Fraser University

Panelists: Mazen Labban, Rutgers University; Julie Guthman, Univ of California Santa Cruz; Anna Zalik, York University

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3272. Economic Geography VI - Public Entities/Policies and Spatial Innovation Trajectories (Sponsored by Economic Geography Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Dieter F. Kogler, University College Dublin; Heidi ASLESEN, BI - Norwegian business school; Jennifer Clark, Georgia Institute of Technology
 CHAIR(S): David Rigby, UCLA
10:00 Martin Warland*, University of Bern; Heike Mayer, Ph.D., University of Bern, *The Role of Capital Cities in the Public Procurement for Innovation Process*.
10:20 Peter Kedron*, Ryerson University, *Firm Value-Chain Reorganization, Regional Industrial Transformation, and the Geography of Innovation in the Canadian Biofuel Industry*.
10:40 Young-Long Kim*, Clark University; Yuko Aoyama*, Clark University, *South Korea's Online Gaming Industry: Innovation, Entrepreneurship, and the State*.
11:00 Bjorn Asheim*, Lund University, *Towards Regional Resilience: Innovation Policy for Economic Renewal*.
 Discussant(s): Heidi ASLESEN, BI - Norwegian business school

3273. Stand Your Ground: The Consequences of Stand Your Ground Laws, Racial Profiling, and the Right to Public Space (Sponsored by Racism and Violence, Ethnic Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Joe Darden, Michigan State University; Audrey L. Kobayashi, Queen's University
 CHAIR(S): Joe Darden, Michigan State University
 Introducer: Audrey L. Kobayashi
 Discussant(s): David Wilson, University Of Illinois; Joe Darden, Michigan State University

3274. Business Geography - Risk Analytics (Sponsored by Hazards, Risks, and Disasters Specialty Group, Business Geography Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Linda A. Peters, Esri
 CHAIR(S): Linda A. Peters, Esri
10:00 Lesley Patrick*, City University of New York; Juliana Maantay, Lehman College, the City University of New York, *Exposure, Socio-Economic Vulnerability, and Infrastructure at Risk to Current and Projected Coastal Flooding in New York City*.
10:20 Bandana Kar*, University of Southern Mississippi, *Spatial Granularity vs Property Insurance: A Case Study of Florida Housing Market*.
10:40 James Kenneth Mitchell, Ph.D.*, Rutgers University; Karen O'Neill, Ph.D., Department of Human Ecology, Rutgers University; Melanie McDermott, Ph.D., Department of Human Ecology, Rutgers University; Mariana Leckner, Ph.D., American Military University, *Mismatched adaptive systems: Constrained perspectives and expanded uncertainties in the wake of Super Storm Sandy*.
11:00 Laura Siebeneck*, University of North Texas; Kevin Simmons, Austin College; Daniel Sutter, Troy University, *Texas Twister: Creating Plausible Worse-Case Scenarios of Tornado Casualties*.
11:20 Tom Shoberg*, United States Geological Survey; Steven Corns, PhD, Missouri University of Science and Technology; Suzanna Long, PhD*, Missouri University of Science and Technology; Varun Ramachandran, PhD Candidate, Missouri University of Science and Technology; Hector J Carlo, PhD, University of Puerto Rico Mayaguez, *Modeling Supply Chain Strategic Infrastructure Resiliency in the Wake of Extreme Event Disasters: What data are available from publically accessible sources?*.

3277. Polar Geographies II: Sustainable Development in the Arctic (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group, Polar Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Scott Stephenson, UCLA; Kelsey Nyland, George Washington University
 CHAIR(S): Timothy Heleniak, University of Maryland
10:00 Magalie Quintal*, McGill University, *Northern Economy, Adaptation and New Gender Dynamics*.
10:20 Andrey Petrov*, University of Northern Iowa, *Human Capital and Knowledge Economy in the Arctic: Recent Patterns and Trends*.
10:40 Wilfred E. Richard, PhD-geography; MA-Anthropology*, Smithsonian Arctic Studies Center - Research Collaborator; Uummanaq (Greenland) Polar Institute-Research Fellow, *Greenland: An Amalgam of Traditional and Modern Culture - Preparing Its Youth-at-Risk to Prevail in a Changing Environment*.
 Discussant(s): Jessica K. Graybill, Colgate University

3278. Social Coast II: Coastal Zone Population and Land Use Change (Sponsored by Coastal and Marine Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Thomas Allen, East Carolina University; Andrew T Bennett, Barton College; Thomas Crawford, East Carolina University
 CHAIR(S): Thomas Crawford, East Carolina University
10:00 Cesar R Castillo*, Texas A&M University; Inci Güneralp, Ph.D., Texas A&M University; Burak Güneralp, Ph.D., Texas A&M University, *How Do Changes in Developed Land and Precipitation Influence Hydrology of a Coastal Texas Watershed?*.
10:20 Annisa Pratiwi*, Syracuse University, *Adaptation to Climate Change in Jakarta Coastal Zone : Private Sector Engagement in Financing Public Infrastructure*.
10:40 Yin-Hsuen Chen, PhD Candidate*, University of Florida; Timothy Fik, Associate Professor, University of Florida, *The Impact of 2007 Housing Bubble to Human Properties on Coastal Communities - a Case Study in Clearwater, Florida*.
11:00 Paul J. Mackun*, U.S. Census Bureau, *Population Trends in Great Lakes States and Coastal Counties*.
11:20 Kevin D Henry*, University of Idaho; Tim G Frazier, PhD, University of Idaho, *Multi-modal Tsunami Evacuation Scenario Modeling: A Case study of Newport Beach, California*.

3279. Gatekeeping Geographies: Extra-territorial experiments with transnational migration management, border bureaucracy, and spaces of security (Sponsored by Political Geography Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Austin Crane, University of Washington; Adam Levy
 CHAIR(S): Adam Levy
10:00 Sara N Hughes*, UCLA Geography Department, *Fetishizing the Fence: Bordering beyond the border in Israel/Palestine*.
10:20 Camilla Hawthorne*, U.C. Berkeley, *Internet Cafes and "Dangerous" Networks: Internet Regulations as Border Control in Italy*.
10:40 Enza Roberta Petrillo, Post Doctoral Research Fellow*, EuroSapienza Research Centre - Faculty of Economics, Sapienza University, Rome, *The EU's Integrated Border Management (IBM) Strategy: a helping hand to smugglers?*.
11:00 Adam Levy*, University of Colorado; Austin Crane*, University of Washington, *Extra-territorial*

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experiments with exclusion: EU bordering as migration control in Moldova and Ukraine.

Discussant(s): Stephanie Simon, University of Amsterdam

3280. Remote Sensing of Drylands and Savannas: Challenges and Opportunities-II (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Biogeography Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Niti Mishra, university of texas austin

CHAIR(S): Niti Mishra, university of texas austin

10:00 Mehmet Ozdes*, University of Florida; Jane Southworth, University of Florida, *Vegetation Change Detection in Kruger National Park and Surrounding Landscapes as a Function of Tourism Development and Park Conservation.*

10:20 Erin Leigh Bunting*, University of Florida, Department of Geography; Greg Kiker, Ph.D., University of Florida, Department of Agricultural and Biological Engineering; Timothy J. Fullman, University of Florida, Department of Geography; Jane Southworth, Ph.D., University of Florida, Department of Geography, *Utilization of the SAVANNA Model to Analyze Future Patterns of Vegetation Cover in Kruger National Park under IPCC Climate Change Scenarios.*

10:40 Aaron Moody, Dr.*, University of North Carolina at Chapel Hill; Colin T West, Dr., University of North Carolina, *Land management and drought refugia in Northern Burkina Faso.*

11:00 Vide Chitru Adedayo*, Department of Geography, University of Lagos, Nigeria; Mayowa Johnson Fasona, Department of Geography, University of Lagos, Nigeria; Felix Olorunfemi, Nigerian Institute for Social & Economic Research, Ibadan, Nigeria; Peter Elias, Department of Geography, University of Lagos, Nigeria; Grace Oloukoi, Lead City University, Ibadan, Nigeria, *Status and Pattern of Savannah Forest and their Impacts on Charcoal Production and Rural Livelihood in Nigeria.*

11:20 Rebecca Powell*, University Of Denver; Eun-Hye Yoo, University at Buffalo; Christopher J. Still, Oregon State University, *Estimating the C3 and C4 Vegetation Composition of African Savannas and Representing the Spatial Distribution of Associated Uncertainties.*

3281. Speed-Dating with an NSF or NIH Program Officer (Opportunity 1)

Room: Meeting Room 12, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Daniel Hammel, NSF; Kelley Crews, University of Texas

CHAIR(S): Thomas Baerwald, National Science Foundation

3282. STS from Farm to Plate: Technologies, Knowledge and Agro-Food Governance (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Susanne Freidberg, Dartmouth College

CHAIR(S): Sandy Brown, University of San Francisco

10:00 Sandy Brown*, University of San Francisco; Julie Guthman, University of California, Santa Cruz, *Soil Fumigant Regulation and the Biopolitics of Farmworker/Community Health in California's Strawberry Industry.*

10:17 Daniel Bornstein*, Dartmouth College, *Aflatoxin Control in Gambian Groundnuts: An Examination of Different Scales of Food Safety Governance.*

10:34 Susanne Freidberg*, Dartmouth College, *Sustenance, Sustainability and Dietary "Profiles": A Commensuration Problem.*

10:51 Mara Miele*, Cardiff University, *Making animals killable: the apparatus of the slaughterhouse.*

11:08 Dustin Mulvaney*, San Jose State University, *Technological Zones, Trojan Genes, and Blue Revolution Innovation: Untangling the Regimes of Transgenic Salmon Governance.*

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- 3301. Geography Education Specialty Group Business Meeting (Sponsored by Geography Education Specialty Group)**
Room: Room 1, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3307. Geographic Perspectives on Women Specialty Group Business Meeting (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: Room 7, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3308. Applied Geography Specialty Group Business Meeting (Sponsored by Applied Geography Specialty Group)**
Room: Room 8, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3314. Stand-Alone Geographers Affinity Group Business Meeting (Sponsored by Stand-Alone Geographers Affinity Group)**
Room: Room 14, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3319. Political Geography Specialty Group Business Meeting (Sponsored by Political Geography Specialty Group)**
Room: Room 19, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3323. China Specialty Group Business Meeting (Sponsored by China Specialty Group)**
Room: Room 23, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3339. Human Dimensions of Global Change Specialty Group Business Meeting (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: Room 39, TCC, Fourth Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3358. Energy and Environment Specialty Group Business Meeting (Sponsored by Energy and Environment Specialty Group)**
Room: Grand Salon G, Marriott, Second Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3365. Rural Geography Specialty Group Business Meeting (Sponsored by Rural Geography Specialty Group)**
Room: Florida Salon IV, Marriott, Second Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3366. A Conversation on the Future of Physical Geography**
Room: Florida Salon V, Marriott, Second Floor (Panel Session)
 Organizer: **Julie Winkler**, AAG President, Michigan State University
 Chair: **Kenneth E Foote**, University of Connecticut
- The goal of this discussion session is to generate ideas for strategies and initiatives to advance physical geography within the Association of American Geographers (AAG) and beyond. Discussion topics will include the recent proposal to expand the AAG's journal suite to include an interdisciplinary journal on global change (see the Presidential Column in the October 2013 issue of the AAG Newsletter), enhancing the visibility of physical geography research in the AAG's flagship journals (Annals and Professional Geographer), participation of physical geographers in the AAG annual meeting, strengthening physical geography through cross-disciplinary outreach, and additional issues and concerns raised by session participants. A small group of panelists will initiate the discussion, with the majority of the session devoted to input and feedback from participants. The chair of the AAG's Long Range Planning Committee will moderate the session.
- 3370. Wine Specialty Group Business Meeting (Sponsored by Wine Specialty Group)**
Room: Meeting Room 3, Marriott, Second Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3377. Polar Geography Specialty Group Business Meeting (Sponsored by Polar Geography Specialty Group)**
Room: Meeting Room 8, Marriott, Third Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3380. Communication Geography Specialty Group Business Meeting (Sponsored by Communication Geography Specialty Group)**
Room: Meeting Room 11, Marriott, Third Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3382. Geographies of Food and Agriculture Specialty Group Business Meeting (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: Meeting Room 13, Marriott, Third Floor (Meeting Session)
 ORGANIZER(S): Program Committee

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3401. Doing geography: Teaching with Webmaps in the lower division classroom (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Room 1, TCC, First Floor (Panel Session)

ORGANIZER(S): Sarah Goggin; Lesli Rawlings, Wayne State College

CHAIR(S): Sarah Goggin

Discussant(s): Darren Ruddell, University of Southern California

Panelists: Jerry Mitchell, University of South Carolina; Nancy Hoalst-Pullen, Kennesaw State University; Lesli Rawlings, Wayne State College; Mark Patterson, Kennesaw State; Eric M Bladh; Kerry Lyste, Everett Community College

3403. Rethinking skilled migration 3: Lived experiences (Sponsored by Population Specialty Group, Economic Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee; Qingfang Wang, University of North Carolina at Charlotte

CHAIR(S): Micheline Van Riemsdijk, University of Tennessee

12:40 Wei Li, Ph.D., Professor*, Arizona State University; Wan Yu, Arizona State University, *Intellectual Migration between Asia and America: historical overview and contemporary trend.*

1:00 Scott E. Basford*, University of Tennessee, *Developing Whose Ambitions? An Investigation of a Norwegian Scholarship Initiative Conceptualized as Development Aid.*

1:20 Qingfang Wang*, University of North Carolina at Charlotte; Huiping Li, Shanghai University of Finance and Economics; Li Tang, Shanghai University of Finance and Economics, *Social (Re)production of Academic Elites: Experiences of Chinese Returnees in Higher Education.*

Discussant(s): Harald Bauder, Ryerson University

3404. Environmental Security (Sponsored by Military Geography Specialty Group)

Room: Room 4, TCC, First Floor (Paper Session)

ORGANIZER(S): Andrew Lohman; Laura Jean Palmer-Moloney, USACE - ERDC

CHAIR(S): Laura Jean Palmer-Moloney, USACE - ERDC

12:40 Francis A. Galgano*, Villanova University, *An Environmental Security Index: Assessing the Emergent National Security Landscape.*

1:00 Jon Unruh, Ph.D. *, McGill University, *Arab Spring and the Recovery of Land Rights: Yemen's Experience.*

1:20 Laura Jean Palmer-Moloney, Dr. *, USACE - ERDC, *Urban-Rural Dynamics and Regional Water Security.*

1:40 Tom Holby*, George Mason University, *The impact of Socioeconomic Factors on the Recrutable Population of South Carolina.*

3405. Spaces of Orientalism (Sponsored by Study of the American South Specialty Group, Political Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): David Jansson, Uppsala University

CHAIR(S): David Jansson, Uppsala University

12:40 Tristan Sturm, PhD*, York University, *God's Just Gaza War: Christian Zionist Geopolitics and the Justification for Territorial Dispossession.*

1:00 Richelle Bernazzoli*, University of Illinois, Urbana-Champaign, *Balkanism as Orientalism? The Geographies and Disciplining Effects of Cultural Prejudice.*

1:20 Robin Finlay*, Newcastle University, *'Strategic Orientalism': The Moroccan diaspora in Granada, Spain.*

1:40 David Jansson*, Uppsala University, *Theorizing Internal*

Orientalism in the US: Southering, Reconstruction, and Internal Colonialism..

3406. Hazards, Risks, and Disasters S.G. Session: Tornado Hazards and Vulnerability (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Philip L. Chaney, Auburn University

CHAIR(S): Philip L. Chaney, Auburn University

12:40 Holly B Lussenden*, East Carolina University, *Geographic Differences in Emergency Management Decision-Making: A Case Study of Severe Weather in the Midwest.*

1:00 Marius Paulikas*, Kent State University, *Potential tornado vulnerability variance over a 24-hour cycle for an urban metropolitan region.*

1:20 Bimal Kanti Paul*, Kansas State University, *Determinants of Tornado Safety Measure Implementation: The Case of Joplin, Missouri.*

1:40 Philip L. Chaney*, Auburn University; Greg S. Weaver, Auburn University; Susan Youngblood, Auburn University, *Household Shelter Plans and Actions During the 2011 Tornado Disaster in Alabama.*

3407. Environment and human migration: emergent issues

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Robert A McLeman, Wilfrid Laurier University

CHAIR(S): Robert A McLeman, Wilfrid Laurier University

12:40 Robert A McLeman*, Wilfrid Laurier University, *Climate and Human Migration: Future Challenges.*

1:00 Reiko Obokata*, University of Ottawa, *Environment and International Migration: A case study of Filipino newcomers in Toronto, Canada..*

1:20 Lori Hunter*, University of Colorado Boulder; Daniel Runfola, University of Colorado Boulder, National Center for Atmospheric Research; Patricia Romero-Lankao, National Center for Atmospheric Research; Leiwen Jiang, National Center for Atmospheric Research; Landy Sanchez, Colegio de Mexico; Fernando Riosmena, University of Colorado Boulder; Raphael Nawrotzki, University of Colorado Boulder; Stefan Leyk, University of Colorado Boulder, *The Influence of Migration on Exposure to Extreme Weather Events: Mexico as a Case Study.*

1:40 Paola Minoia*, University of Helsinki, Department of Geosciences and Geography; Johanna Hohenthal, University of Helsinki, Department of Geosciences and Geography, *Climate and environmental changes in relation to people's (im)mobilities: an ethnographic study in Taita Hills, Kenya..*

2:00 Luisa Veronis*, University of Ottawa, *Moving beyond binarisms in environmental migration debates: reflections from the experiences of African migrants in Ottawa-Gatineau, Canada.*

3408. Urban Cultural Studies 1: Geography and the Humanities

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Benjamin Fraser, College of Charleston

CHAIR(S): Benjamin Fraser, College of Charleston

12:40 Eugenia Afinoguenova, Associate Professor of Spanish*, Marquette University, *Rural urbanity: wrestling with citizenship and public leisure in Madrid (Spain) 1834-1936.*

1:00 Steven Spalding, Assistant Professor of French*, United States Naval Academy, *Jacques Tati, Critic of Urban Life.*

1:20 AnneMarie Kooistra, Ph.D.*, Bethel University, *The Harlot City?: Prostitution in Hollywood, 1920-1940.*

1:40 Tom Nurmi*, Elmira College, *Yellow Fever, Medical Cartography and Narrative Ethics in Antebellum Philadelphia.*

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2:00 Benjamin Fraser*, College of Charleston, *Urban Railways in Buenos Aires: Schivelbusch, Lefebvre and Alienation in the Documentary Film El tren blanco [The White Train] (2003).*

3409. FQG: New Turns In Feminist Political Geography: Challenging the Subjects and Objects of Politics, II (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 9, TCC, First Floor (Panel Session)
 ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa; Vanessa Massaro, Penn State University
 CHAIR(S): Jill Williams, University of Hawai'i-Manoa
 Panelists: Sapana Doshi, University of Arizona, Tucson; Sara H. H. Smith, University of North Carolina; Rachel Pain, UNIVERSITY OF DURHAM; Jennifer Fluri, Dartmouth

3410. The Economy of Cities III

Room: Room 10, TCC, First Floor (Paper Session)
 ORGANIZER(S): John R Miron, University of Toronto; Ying Ge
 CHAIR(S): Ying Ge
12:40 Jamie M Goodwin-White*, UCLA, *Uneven Geographies of Immigrant Labor Markets.*
1:00 Zaya Enkhbold*, University of Amsterdam, *Global Urban Transformations and the Luxury Centers.*
1:20 Wanxiao Sun*, Grand Valley State University; Gang Xu, Grand Valley State University, *GIS Analysis of the Spatial Structure of U.S. Metropolitan Areas: A Case Study of Detroit.*
1:40 Jae Soen Son*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte, *The similarity of global cities based on the textual contents of webpages.*
 Discussant(s): John R Miron, University of Toronto

3411. Hurricane V: Disaster Management (Sponsored by Coastal and Marine Specialty Group)

Room: Room 11, TCC, First Floor (Paper Session)
 ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
 CHAIR(S): Harry Williams, University of North Texas
12:40 Chongming Wang*, The Pennsylvania State University, *The Facilitators and Impediments of Hurricane Preparedness and Evacuation among the Elderly Population.*
1:00 Idamis Del Valle*, Mississippi State University, *Risk Perceptions of Hurricane Track Forecasts.*
1:20 Jeffrey J. Dickey, Ph.D.*, LSU Highway Safety Research Group; Christopher A. McCurley, Louisiana State University, *A Model of Storm Surge Inundation of Louisiana Evacuation Routes.*
1:40 Christopher A McCurley*, Highway Safety Research Group, Louisiana State University; Jeffery J Dickey, Ph.D., Highway Safety Research Group, Louisiana State University, *Improving Disaster Management and Evacuation Models Along the Gulf Coast.*

3412. Spatiotemporal Thinking, Computing and Applications (STCA) Session: Visualization (Sponsored by Cyberinfrastructure Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)
 ORGANIZER(S): Jing Li, University of Denver; Yunfeng Jiang, George Mason University
 CHAIR(S): Yunfeng Jiang, George Mason University
12:40 Carl Hughes*, McGill University, *Geovisualization of the African Monsoons.*
1:00 Nanyin Zhou*, George Mason University; Min Sun, George Mason University; Manzhou Yu, George Mason University, *Visualizing spatiotemporal career paths of geographers.*

1:20 Yuqi Chen*, Clark University, *Automated Mobility Mode Visualization based on GPS Tracking Data.*

1:40 Chunxiao Zhang*, The Chinese University of Hong Kong; Hui Lin, The Chinese University of Hong Kong, Institute of Space and Earth Information Science; Min Chen, The Chinese University of Hong Kong, Institute of Space and Earth Information Science; Zhichao Zeng, The Chinese University of Hong Kong, Institute of Space and Earth Information Science; Yulin Ding, The Chinese University of Hong Kong, Institute of Space and Earth Information Science, *Design and Implementation of Multiscale Virtual Geographic Environment System for Studying Air Quality Process: A Case Study of SO₂ Concentration Simulation in Hong Kong.*

Discussant(s): Wenwu Tang, University of North Carolina at Charlotte

3413. Supporting Women in Geography Across the Sub-disciplines, 2nd Annual Panel (Sponsored by Jobs and Careers, Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Biogeography Specialty Group)

Room: Room 13, TCC, First Floor (Panel Session)
 ORGANIZER(S): Amanda Young, Penn State University; Catherine Jampel, Penn State
 Discussant(s): Mei-Po Kwan, University of Illinois at Urbana-Champaign
 Panelists: Brian King, The Pennsylvania State University; Timothy A Warner, West Virginia University; Amy Hessel, West Virginia University; Kathleen O'Reilly, Texas A&M University

3414. Successful Stand Alone Geographers (SAGES): Strategies for Thriving as a Lone Geographer (Sponsored by Jobs and Careers, Stand-Alone Geographers Affinity Group)

Room: Room 14, TCC, First Floor (Panel Session)
 ORGANIZER(S): Brian Edward Johnson, Auburn University at Montgomery; Amanda Rees, Columbus State University
 Introducer: Todd Lindley
 Discussant(s): Niem Huynh, Association of American Geographers; Amanda Rees, Columbus State University
 Panelists: Brian Edward Johnson, Auburn University at Montgomery; Eric Spears, Mercer University

3415. Can we teach geography for social justice?

Room: Room 15, TCC, First Floor (Paper Session)
 ORGANIZER(S): John Morgan, University of Auckland
 CHAIR(S): John Morgan, University of Auckland
 Introducer: John Morgan
1:00 Rebeca Consejo-Chapela, MA Geography*, 90074322, *Time to think, time to speak, time to share, and time to build collective knowledge. Using ICT to build communities of reflexion between rural and urban secondary school children.*
1:20 Todd W Kenreich*, Towson University, *Towards a Critical Geographic Literacy: Geography and Social Justice in the Classroom.*
1:40 David Lambert*, Institute of Education, University of London, *'In what ways in geography 'powerful knowledge' and why does this question matter?'*
 Discussant(s): Michael N. Solem, Association of American Geographers

3416. Landscapes & Indigenous Peoples I: Reinscription by the Dominant Culture (Sponsored by Landscape Specialty Group, Indigenous Peoples Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the

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American Indian

CHAIR(S): Benjamin Tillman, Texas Christian University

12:40 Kris Bezdecny*, Independent scholar, *Socially Constructing Anathemic Places and the Production of Space*.

1:00 Fitzhugh Brundage, PhD*, University of North Carolina, *Mapping Commemorative Landscapes in North Carolina*.

1:20 Andrew Allen*, University of Kansas, *Examining Battlefield Preservation and Interpretation in the Great Plains*.

1:40 Emily Weidenmuller*, Christopher Newport University; Taylor Williamson, Christopher Newport University; Courtney Leistensnider, Christopher Newport University; John C. Finn, Christopher Newport University, *History Written in Stone: Gender and the Naturalizing Power of Monuments in Southeastern Virginia*.

2:00 Benjamin Tillman, Ph.D.*, Texas Christian University, *Retracing the Old Bellamy Road: Florida's First Federal Highway*.

3417. Ethnic Geography Specialty Group Distinguished Scholar Lecture: Audrey Kobayashi (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan

Discussant(s): Audrey L. Kobayashi, Queen's University; Linda Peake, York University; Joe Darden, Michigan State University; Lawrence D Berg, University of British Columbia

3418. Austerity in the City: economic crisis and urban service decline? (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Betsy Donald, Queen's University; Susan Christopherson, Cornell University

CHAIR(S): Susan Christopherson, Cornell University

12:40 Betsy Donald, Professor, Queens University; Amy k Glasmeier*, Massachusetts Institute of Technology; Mia Gray, Professor, University of Cambridge; Linda Lobao*, Ohio State University, *Austerity in the City: Economic Crisis and Urban Service Decline?*.

1:00 Jamie Peck*, University of British Columbia, *Pushing austerity: state failure, municipal bankruptcy, and the crises of fiscal federalism in the United States*.

1:20 Mark Davidson*, Clark University; Kevin Ward, University of Manchester, *'Picking up the pieces': austerity urbanism, California, and fiscal crisis*.

1:40 Betsy Donald*, Queen's University; Mia Gray, Cambridge University; Yves Bourgeois, University of New Brunswick, *Hidden Austerity: Canada's municipal response to the recession*.

2:00 Mildred Warner*, Cornell University; Judith Clifton, University of Cantabria, Spain and Open University, UK, *Marketization, Public Services and the City: The Potential for Polanyian Counter Movements*.

3419. Spatial Identity and Geographic Scale I (Sponsored by Political Geography Specialty Group)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Guntram Herb, Middlebury College; David H Kaplan, Kent State University

CHAIR(S): Guntram Herb, Middlebury College

12:40 Alexander Murphy*, University of Oregon, *Rethinking the Concept of European Identity*.

1:00 Karen Culcasi*, West Virginia University, *The (Dis)Unity of Hybrid Territories: Intersections and Tensions between*

Mappings of the Arab Homeland and Palestine.

1:20 Susan Walcott*, University of North Carolina-Greensboro, *Identifying as chinese: Meta-narrative Complexities*.

1:40 Corey Johnson*, University of North Carolina - Greensboro, *German identity and European integration: The national question in times of crisis*.

3420. Symposium on Synergistic Advances of CyberGIS and Geography: Frontiers and Roadmaps -- Academic, Governmental, Industrial Perspectives (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Panel Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; E. Lynn Usery, U.S. Geological Survey; Budhendra Bhaduri, Oak Ridge National Laboratory

CHAIR(S): E. Lynn Usery, U.S. Geological Survey

Discussant(s): Dawn J. Wright, Esri; Budhendra Bhaduri, Oak Ridge National Laboratory; Shaowen Wang, University of Illinois at Urbana-Champaign

Panelists: Ed Parsons, Google

3421. Exurban Studies I: Methodologically and Theoretically Situating an Emerging Subfield (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): Innisfree Mckinnon, University of Oregon; Seth Gustafson, The University of Georgia

CHAIR(S): Seth Gustafson, The University of Georgia

Introducer: Seth Gustafson

12:45 Megan Maccaroni*, Ursinus College; Patrick T Hurley, Ph.D, Ursinus College, *Exurban Forest Metabolism? A Political Ecology of Material Landscape Transformations in Southeastern, PA*.

1:05 Innisfree Mckinnon*, University of Oregon, *Scale, Urbanization, and Local Knowledge: The Effort to Redefine High Value Farmland in Southern Oregon*.

1:25 Jenna H Tilt, Ph.D*, Oregon State University; Lee K Cerveny, Ph.D, US Forest Service, Pacific Northwest Research Station, *"Just following the process": Exurban development in the wake of growth management*.

1:45 Trevor Caughlin*, University of Florida, *Economic drivers of habitat degradation in a threatened Florida ecosystem*.

3422. Global Change and Environmental Responses in China (Sponsored by China Specialty Group, Geographies of Climate Change)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Chenghu Zhou, Institute of Geographic Sciences and Natural Resources Research, CAS; Fahu Chen; Chunfeng Liu, IGSNRR

CHAIR(S): Chenghu Zhou, Institute of Geographic Sciences and Natural Resources Research, CAS

Introduction: Douglas Richardson, AAG Executive Director

12:50 Fahu Chen*; Qinghai Xu; Jianhui Chen; John B Birks; Jianbao Liu; Shengrui Zhang; Liya Jin; Zhiguo Rao; Chengbang An; Richard J Telford; Xianyong Cao; Zongli Wang; Xiaojian Zhang; Houyuan Lu; Yuecong Li; Zhuo Zheng; Haipeng Wang; aifeng Zhou; Guanghui Dong; Hai Cheng; Xiaozhong Huang; Bloemendal Jan, *East Asian Summer Monsoon variability since 14.7 ka: Ice-volume modulated insolation forcing and its impacting on prehistorical culture development*.

1:10 Chansheng He*, Western Michigan University; Lanhui Zhang, Dr., Center for Dryland Water Resources

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Research and Watershed Science, Lanzhou University, China., *Development of a framework for streamflow allocation in arid watersheds in Northwestern China.*

1:30 Tingjun Zhang*, Lanzhou University, *Permafrost Degradation and Potential Impacts on Carbon Cycle.*

1:50 Wei Ye*, Zhu Lidong; Li Fengquan; Chen Qu, *Magnetic properties of the Quaternary sediments with aeolian dust characteristics in present subtropical China, and their implications for climate.*

Discussant(s): Oliver Frauenfeld, Texas A&M University; Julie Winkler, Michigan State University

3423. Hubs of mobility and diversity: understanding public space and migrant neighborhoods in Chinese inner-urban areas (Sponsored by China Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Piper Gaubatz, University Of Massachusetts; Shenjing He, Sun Yat-Sen University

CHAIR(S): Piper Gaubatz, University Of Massachusetts

12:40 Piper Gaubatz, Professor*, University Of Massachusetts, *Public Space in Chinese Cities: Environment, Society and Space.*

1:00 Junxi Qian*, South China Normal University, *Public space in non-Western contexts: Practices of publicness and the socio-spatial entanglement.*

1:20 Maria Fadiman*, Florida Atlantic University, *Urban Green Space: Globalization and Cultural Utilization of Parks in Shanghai, China..*

1:40 Shenjing He*, Sun Yat-Sen University, *Unravelling informality amidst globalization: Migrant economy and migrant settlement in the International Textile & Fabric Market in central Guangzhou.*

2:00 Sainan Lin*, University of Massachusetts; Sainan Lin, University of Massachusetts, Amherst, *Migration and Urban Form in Chinese City? A Survey of Migrant settlements in Shuangyu, Wenzhou City.*

3424. Climate Change in Africa and Asia: MyCOE / SERVIR Global Fellows (Sponsored by Geographies of Climate Change, Scale and Sustainability, My Community Our Earth)

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Patricia A. Solís, Association of American Geographers; Candida Mannozi, Association of American Geographers

CHAIR(S): Patricia A. Solís, Association of American Geographers

Introducers: Richard A. Marston; Florence Margai; Soe Myint; Candida Mannozi; Astrid Nicole Ng, Marcela Zeballos, Nekya Young

12:54 Khin Seint Seint Aye*, Asian Institute of Technology, *Impact of famous floating gardens on the environment and livelihoods of a unique Inle lake in Central Myanmar.*

12:59 Susan Malaso*, Kenyatta University, *Application of GIS and RS Techniques in Frost Risk Mapping for Mitigating Agricultural Losses.*

1:04 Lhakpa Lhakpa*, Royal University of Bhutan, *Linking Traditional Beliefs on Climate Change to Scientific Understanding: A Case Study in Eastern Bhutan.*

1:09 Tsedenya Abebe Mengiste*, *Assessment of Flood Frequency and Local Adaptation Practices in Dilu-Meda, Upper Awash, Ethiopia.*

1:14 Prasamsa Thapa*, Kathmandu University, *Surface Area Variation and Climatology of Tsho Rolpa Glacial Lake using Remote Sensing and GIS, Dolakha District, Nepal.*

1:19 Roseline Nijh Egra Batcha*, University of Yaounde, *Participatory Learning and Gender Partnerships in Climate Change and Food Security: Mfoundi-Yaounde Cameroon.*

1:24 Jirawat Panpeng*, Asian Institute of Technology,

Vulnerability of Rural Coastal Communities in Eastern Gulf of Thailand to Potential Sea Level Change: Case of Laemsing District, Chanthaburi Province.

1:29 Joyeeta Poddar*, Birla Institute of Technology, *Assessment of Glacier Health as a Response to Climate Change in Western Himalayas.*

1:34 Khoa Nguyen*, Vietnam National University, *Changes of paddy rice extent and its possible effect on the environment in Mekong delta, Vietnam, 1980-2012.*

1:39 Wasiu Alimi*, University of Ibadan, *Assessment of the Climatic and Socio-Economic Impacts of Illegal Logging in a Rainforest: The Role of Women.*

1:44 Seble Dejene*, Addis Ababa University, *Carbon Stock Estimation in Wof-Washa Natural Forest: Potential for Carbon Finance Options and Climate Change Mitigation.*

1:49 Pramila Paudyal*, Tribhuvan University, *Climate Change Vulnerability in Mountain Agriculture: A Case Study Of Susma Chhemawati VDC, Dolakha District, Nepal.*

1:54 Lateefah Oyinola*, Federal University of Agriculture, Abeokuta, *Assessment of Vulnerabilities of Fresh- Cut Vegetables to Climatic Variation Lagos State, Nigeria.*

1:59 Tran Thi Mai Anh*, Vietnam Forestry University; Ha Nguyen Thi, Vietnam Forestry University; Thi Nguyen Van, Vietnam Forestry University; Phung Van Khoa, Vietnam Forestry University, *Application of GIS and Remote Sensing in Administering Payment For Forest Environmental Services at Huong Son Hydroelectric Power Plant's Watershed, in the Ha Tinh Province, Vietnam.*

Discussant(s): Carrie Stokes, USAID

The MyCOE / SERVIR Partnership project supports young, emerging scholars to use geography and geographic technologies for sustainable development initiatives and facilitates ways in which existing geographic data and tools may be applied to critical needs across developing regions of the world.

Key themes for the fellowship research include Climate Change, Food Security, Hazards and Vulnerability, Sustainable Landscapes, and Women and Climate Change.

Teams of 120 participants had been chosen competitively in 24 developing countries over the past two years. They have received technical training and mentoring through capacity building events with regional experts at SERVIR Hubs, AAG staff, and AAG members serving as knowledge experts and instructors. The group presenting in this session were chosen from among this larger group of fellows to represent the program at the AAG Annual Meeting.

The program is led by AAG with support from NASA and USAID and software from Esri.

3426. The Rise of Environmental Interdisciplinarity: Articulating Space for Human-Environment Geography (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Ballroom A, TCC, First Floor (Panel Session)

ORGANIZER(S): Gregory Simon, University of Colorado Denver; Josh Newell, University of Michigan

CHAIR(S): Gregory Simon, University of Colorado Denver

Discussant(s): Paul Robbins, Nelson Institute for Environmental Studies University of Wisconsin

Panelists: Diana Liverman, University of Arizona; David Demeritt, King's College London; Josh Newell, University of Michigan; Rod Neumann, Florida International University

3429. Climate Model Assessments and Applications III (Sponsored by Geographies of Climate Change, Climate Specialty Group, Cryosphere Specialty Group)

Room: Ballroom D, TCC, First Floor (Paper Session)

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ORGANIZER(S): Manuel Hernandez; Liang Chen, Texas A&M University

CHAIR(S): Manuel Hernandez

12:40 Jeanne M Thibault*, University of Connecticut, *Warm Season Precipitation in the Northeast United States: A Process Evaluation of CMIP5 and NARCCAP Experiments.*

1:00 Arthur N Samel*, Bowling Green State University, *Seasonal Precipitation and Surface Air Temperature Simulation over U.S. by the Nested CWRP-ECHAM4.5 System.*

1:20 Anji Seth*, University of Connecticut, *Climate Model Credibility in Projections of Warm Season Precipitation in the US Great Plains.*

1:40 Peng Gao*, University of South Carolina; Gregory J Carbone, University of South Carolina; Erik D Kabela, Oak Ridge National Laboratory, *Comparison of Rainfall Intensity in Downscaled Climate Model Output for the Carolinas.*

2:00 Binita KC, PhD Candidate*, Department of Geography, The University of Georgia; J Marshall Shepherd, Professor, Department of Geography, The University of Georgia; Thomas L. Mote, Professor, Department of Geography, The University of Georgia; Cassandra Johnson-Gaither, Social Scientist, U.S. Forest Service, *Climate Change Vulnerability Projection in Georgia.*

3430. Toward the Spatial University

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Angela Lee, Esri; David Cowen, University Of South Carolina; David DiBiase, Esri

CHAIR(S): David Cowen, University Of South Carolina

12:40 David Cowen*, University Of South Carolina, *Should We Identify Spatial Universities?.*

1:00 Zhaohui Fu*, Florida International University, *A spatially-enabled smart campus for community-based learning.*

1:20 Ramachandra Sivakumar*, Georgia Institute of Technology, *Planning a smart campus.*

1:40 David DiBiase*, Esri, *Envisioning the Spatial University.*

3431. Middle East Issues and Themes

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Benjamin Smith, Florida International University

12:40 Addison Miller*, Ohio Wesleyan University, *The Spatialization of Emirati Identity in Dubai, UAE.*

1:00 Nurettin Özgen*, Turkey, *Middle East Policy Of Turkey In The 21st Century And The Rise Of Strategic Kurdish Card.*

1:20 Necati Anaz*, Necmettin Erbakan University; Nurettin ÖZGEN, Ankara University, Faculty of Languages and History- Geography, Department of Geography, *Turkey'S Attempts To Design Geopolitics For The Middle East And Unreliable Strategic Developments.*

1:40 Wesley Reisser*, George Washington University, *Woodrow Wilson's Imagined Middle East.*

2:00 Benjamin Smith*, Florida International University, *Encountering Others' Wealth: Market Orientalism in Early Coverage of the Persian Gulf Oil Boom.*

3432. Understanding Neighborhood Change I

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Christopher S. Fowler, Pennsylvania State University; Audrey Lumley-Sapanski, Penn State University

CHAIR(S): Christopher S. Fowler, Pennsylvania State University

12:40 Christopher S. Fowler*, Pennsylvania State University, *Gentrification is an inadequate term: Neighborhood change and stability in South Seattle 1990-2010.*

1:00 David C. Folch*, University of Colorado at Boulder, *Rail Transit and its Relationship to Residential Segregation*

and Redistribution.

1:20 Sonia Arbaci*, University Pompeu Fabra -Dept. of Political and Social Sciences; Teresa Tapada-Berteli, Autonomous University of Barcelona - Dept. of Social and Cultural Anthropology, *Reconsidering urban regeneration of Barcelona city centre: tackling social inequalities or spatial segregation?.*

1:40 Audrey Lumley-Sapanski*, Penn State University, *Evaluating the Effectiveness of Refugee Resettlement Programs: How Much Does Neighborhood Context Matter?.*

3433. New Water Resources Geographies? (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Daanish Mustafa, King's College, London; Amiera Sawas, King's College London

CHAIR(S): Daanish Mustafa, King's College, London

12:40 Giacomo Galli, MSc*, Wageningen University, *Governance through Sanitation: Reconstructing a Toilet in an Informal Settlement in Mumbai.*

12:55 Trevor Birkenholtz*, University of Illinois at Urbana-Champaign, *Who needs Privatization when you have Appropriation (of water)?.*

1:10 Farhana Sultana, Ph.D.*, Syracuse University, *Public Water and Citizenship: Imbrications of Belonging and Democracy in The Right to Water.*

1:25 Jamie Linton, Université de Limoges; Jessica Budds*, University of East Anglia, *The hydrosocial cycle: Defining and mobilizing a relational-dialectical approach to water.*

1:40 Nuttavikhom Phanhuwongpakdee*, King's College London, *Living with Flood: The Political Ecology of Flood Hazards in Central Thailand.*

3434. Religion: Sacred Spaces and Places

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Garrett Smith, Kennesaw State University

12:40 Daniel McGowin*, Auburn University, *Geography of Religious Freedom.*

1:00 Rajinder S Jutla*, Missouri State University, *Sacred Space and Sacred Place in Sikhism.*

1:20 Jennifer Kopf, PhD*, *Global Influence on and of Tampa's Muslim Communities.*

1:40 Garrett Smith*, Kennesaw State University, *Religious Communities and Alternative Economic Spaces.*

3435. Tourism and Sports in the American South (Sponsored by Study of the American South Specialty Group, The American South)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): The American South

CHAIR(S): Sam Miller

12:40 Craig R Laing, Ph.D.*, University of Tennessee at Chattanooga, *Gatlinburg Revisited: An Updated Look at Edwin Foscoe's 1945 publication "Gatlinburg: A Mountain Community".*

1:00 Robert Kuhlken*, Central Washington University, *The Place of Professional Bass Fishing in the American South.*

1:20 Theodore L. Goudge, Sport Geographer*, Northwest Missouri State, *The Role of College Football in Shaping Today's American South.*

1:40 Sam Miller*, University of Southern Mississippi, *Birthplace of the King: The Pilgrimage to the Childhood Home of Elvis Presley.*

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3436. Dilemmas of positionality in qualitative urban research: International dimensions. (Sponsored by Qualitative Research Specialty Group, Urban Geography Specialty Group)

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): John Western, Syracuse University

CHAIR(S): John Western, Syracuse University

12:40 Myriam Houssay-Holzschuch*, University Joseph Fourier, *Schizophrenia as method? Navigating Cape Town as a French geographer.*

1:00 John Western*, Syracuse University, *Reflections on the composition of an urban ethnography of Strasbourg.*

1:20 Roman Cybriwsky*, Temple University, *Close-Up: How to Read the (American) City.*

3437. Social Space Social Inclusion: Developing Stepping Stones (Sponsored by Disability Specialty Group)

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Leonor Vanik, UIC-Chicago

CHAIR(S): Leonor Vanik, UIC-Chicago

Introducer: Leonor Vanik

12:50 Caroline Barakat-Haddad*, University of Toronto at Scarborough; Shermeen Farooqi, University of Toronto, *Identifying Themes in Childhood Disability Research..*

1:10 Susanne Zimmermann-Janschitz*, University of Graz, *Implementing a »GIS for All«: Reporting on Work in Progress.*

1:30 Szabolcs Fabula*, University of Szeged, Department of Economic and Social Geography, *The Socio-Spatial Production/Construction of Disability in Hungary - Some Examples.*

1:50 Trevor McArthur*, Stellenbosch University, *A Place to call Home: An exploration of how homeless youth navigate 'private' and 'public' spaces.*

3439. Evaluating Payments for Ecosystem Services: Evidence from a Chinese nature reserve –I (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Li An, San Diego State University; Minjuan Wang; Jennifer Feltner

CHAIR(S): Li An, San Diego State University

12:40 Li An*, San Diego State University; Stuart Aitken, San Diego State University; Richard Bilsborrow, University of North Carolina, Chapel Hill; Xiaodong Chen, University of North Carolina, Chapel Hill; Rebecca Lewison, San Diego State University; Douglas Stow, San Diego State University; Minjuan Wang, San Diego State University, *Impacts of Payments for Ecosystem Services in Coupled Natural and Human Systems.*

1:00 Xiaodong Chen*, University of North Carolina at Chapel Hill, *Evaluating the Impacts and Feedbacks of Payments for Ecosystem Services.*

1:20 Shuang Yang*, San Diego State University/University of California, Santa Barbara; Weiyong Zhang, Fangjingshan Fanjingshan National Nature Reserve; Li An, San Diego State University; Richard Bilsborrow, The University of North Carolina at Chapel Hill; David López-Carr, University of California, Santa Barbara; Yeqin Yang, Fangjingshan National Nature Reserve; Rutai He, Fangjingshan National Nature Reserve; Lei Shi, Fangjingshan National Nature Reserve, *PES policies and migration: A case study of Fangjingshan National Nature Reserve, China.*

1:40 Douglas A. Stow*, San Diego State University; Yu Hsin Tsai, San Diego State University; Li An, San Diego State University; Sarah Wandersee, San Diego State University, *Canopy Forest Cover Change in*

Fanjingshan National Nature Reserve.

Discussant(s): Michael F. Goodchild, University of California - Santa Barbara

3440. Let's organize social reproductive labor: childcare! (a subconference strategy session)

Room: Room 30B, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Christian Anderson, University of Washington at Bothell

Introducer: Amanda Huron

Discussant(s): Amber Murrey-Ndewa, University of Oxford

Panelists: David Spataro, City University of New York; Sarah W Stinard-Kiel, Rutgers University; Diana Ojeda, Clark University

3441. Climatology and Extreme Weather

Room: West Hall, TCC, Third Floor (Poster Session)

ORGANIZER(S): Program Committee

Mathew Tuinei*, Salem State University, *Climate Change Impact on Cape Cod National Seashore.*

Whitney E Henson*, Jacksonville State University; Stephen G Tsikalas, Ph.D., Jacksonville State University, *Cold Air Damming Effects on Temperatures in the Southern Appalachian Mountains.*

Aram Parrish Lief*, University of New Orleans, *The Heat Island New Orleans: Examining the Surface Thermal Patterns of a Subtropical Coastal City.*

Craig Ramseyer*, University of Georgia, *Historical Precipitation Variability in Northeast Puerto Rico and Reconstruction of Synoptic Types.*

Joshua M Gilliland*, Louisiana State University; Joshua D Durkee, Western Kentucky University; Alan W Black, University of Georgia; Grady Dixon, Mississippi State University; Scott Gunter, Texas Tech University; John A Knox, University of Georgia, *Long-term trend analysis of surface wind speeds over the southern United States.*

Ariane Middel, PhD*, Center for Integrated Solutions to Climate Challenges, Arizona State University; Shai Kaplan, School of Geographical Sciences and Urban Planning, Arizona State University; Anthony J. Brazel, PhD, School of Geographical Sciences and Urban Planning, Arizona State University, *Impact of Land Cover on Local Climate - The Case Study of Las Vegas, Nevada.*

April Hiscox, PhD*, University of South Carolina; Sarah Battersby, PhD, The University of South Carolina, *Visualization techniques for identification of coherent wind motions through waving vegetation in a forested ecosystem.*

Paul Knapp*, University of North Carolina Greensboro; Justin Maxwell, Indiana University, *Spatio-temporal Changes in Comfortable Weather Duration in the Continental U.S.: 1950-2011.*

Ashley Vedvig*, University of Wisconsin Whitewater; John Frye, University of Wisconsin Whitewater, *Climate Across North America According to the Koppen Classification Scheme.*

Ryan P Shadbolt*, Central Michigan University, *Associations of Atmospheric Teleconnections and Local Climate Anomalies of Michigan.*

Belayet Khan*, Eastern Illinois University, *Determining Weather Patterns in South Asia: The Example of Bangladesh.*

Weiyu Kong*, UF GEOG, *Discussing the annual rainfall relationship between the Arenal and Tempisque areas in Costa Rica under the effect of ENSO.*

Eungul Lee*, West Virginia University, *Effects of turbulent heat fluxes over land on the East Asian summer monsoon.*

Robert Rohli*, Louisiana State University; Timothy A Joyner, East Tennessee State University; Stephen J Reynolds, Arizona State University, *Geography and Areal Extent of Climate, Vegetation, and Soil Type Combinations.*

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- Alexandra Destefano*, Southern Connecticut State University, *Vulnerability and Resilience of Dongria Kondh to Environmental Change*.
- Jacob P Amundson*, South Dakota State University; Andrey N Petrov, University of Northern Iowa, *Using Hyperion Hyperspectral Imagery to Assess and Map Seasonal Sea Ice Decay in the Arctic (Svalbard)*.
- Caitlin Del Roccili*, Kutztown University of Pennsylvania; Victoria Trucksess, Kutztown University of Pennsylvania; Michael Davis, Kutztown University of Pennsylvania, *Analysis of Midwest Climate Variability on Corn Production*.
- Ben Kosek*, Kutztown University of Pennsylvania; Chris Harding, Kutztown University of Pennsylvania; Lauren Ickes, Kutztown University of Pennsylvania; Michael Davis, Kutztown University of Pennsylvania, *Assessment of Diurnal Temperature Ranges in the Southeastern United States*.
- Adrienne Tucker*, Pennsylvania State University, *Effect of Sea Surface Temperatures on Ship Track Presence off the U.S. West Coast*.
- Philip W Suckling*, Texas State University; Anthony J Brazel, Arizona State University, *Urban/Rural Daily Solar Radiation Receipt in the Vicinity of Phoenix, AZ*.
- Rafique Ahmed*, University Of Wisconsin La Crosse; M. Shamsul Alam, Ph. D., Geography, University of Rajshahi, Rajshahi, Bangladesh, *Increasing Occurrences of Winter Fog in Bangladesh: A case of Man-made Weather Modification*.
- Aaron M Brouse*, Kutztown University of Pennsylvania; Michael Davis, Kutztown University of Pennsylvania, *Analysis of Cloud-Albedo Feedback on the Central United States "Warming Hole"*.
- Jason Allard, PhD*, Valdosta State University; Paul Vincent, PhD, Valdosta State University; Jeromy McElwaney, Valdosta State University, *A Statistical Analysis of Seasonal and Annual Temperature Data from Automated Weather Stations and National Weather Service Cooperative Observer Program Weather Stations in Georgia*.
- Monika Cahynova*, Institute of Atmospheric Physics ASCR, *Daily Atmospheric Circulation Indices and Types in European Regions since the Mid-19th Century*.
- Sattam Alshogoor*, Mutah University, *Analysis of Temperature's Changes in Jordan during the Period (1967 - 2012)*.
- Shuyao Hong*, Arizona State University, *Impacts of Sea Level Rise on National Mall and Memorial Parks, Washington, D.C.*.
- Aashka Patel*, University of South Carolina, *End-user Engagement in Climate-related Decision Support*.
- Bin He*, Beijing Normal University, *Influences of precipitation deficits on air temperature*.
- Gina Sarfaty*, Population Action International; Clive Mutunga, Population Action International, *Mapping Population and Climate Change Vulnerabilities: Communicating Innovation*.
- David J. Hill, PhD*, Thompson Rivers University, *Crowdsourcing Quantitative Rainfall Estimation*.
- Kevin Law*, Marshall University; Shawn Cheeks, Marshall University; Joseph Fitzwater, Marshall University, *An Investigation of the Surface and Upper-Level Conditions Influencing the Snowfall Associated with Post-Tropical Cyclone Sandy*.
- Ricardo Nogueira*, Georgia State University; Barry Keim, PhD, Louisiana State University; Amanda Billiot, Louisiana State University, *Influences Of Natural Climate Variability On Tropical Cyclones Characteristics*.
- Lindsay Deel*, West Virginia University; Dara A. Erazo, West Virginia University; Ty Z. Heimerl, West Virginia University; Christopher A. Walter, West Virginia University; Mary Beth Adams, USDA Forest Service; Brenden E. McNeil, West Virginia University, *Characterizing disturbance in the Fernow Experimental Forest following Superstorm Sandy*.
- Jeremy W Mullins*, University of West Florida; Jason Ortegren, Department of Environmental Studies, University of West Florida, *Atlantic Basin Climate Indices and Their Relation to Category 5 Hurricane Frequency*.
- Elizabeth A Thomas*, University of Kansas, *Calmness in the Eye of the Storm: Improving hurricane graphics for public communication and perception*.
- Qiao Guo*, University of Florida; Corene J. Matyas, University of Florida, *The Relationship between Size and Rainfall Distribution of Atlantic Tropical Cyclone Prior To Making Landfall*.
- Xuelian Meng*, Louisiana State University, *Hurricane and Storm Surge Impact on the Mississippi River Birdfoot Delta in Recent Decade*.
- Yu Wang*, University of Florida; Corene J Matyas, University of Florida, *Characterizing the different land cover types that U.S. landfalling tropical cyclones have crossed*.
- Will Ramey*, University of New Orleans; Will K Ramey, University of New Orleans, *Grand Isle, Louisiana: Post disaster recovery*.
- Andrew Ellis*, Virginia Tech; Paul Miller, Virginia Tech; Stephen Keighton, U.S. National Weather Service, *Spatiotemporal Analysis of Total Lightning Data for Assessing their Utility in Warning of Ordinary Thunderstorm Severity*.
- Jennifer A. Eagle*, Longwood University; William M Baldwin, PhD, Longwood University, *A Severe Weather Climatology for the State of Virginia*.
- Andrew Courtney*, University of Wisconsin Whitewater; John Frye, University of Wisconsin-Whitewater, *Topographical Effect on Tornadoes in Wisconsin and Indiana*.
- John Frye*, University of Wisconsin-Whitewater; Ashley Vedvig, University Wisconsin-Whitewater; Alyssa McClain, University of Wisconsin-Whitewater, *Variation of Severe Weather Events in the United States Based on Changes in the Phase of the North Atlantic Oscillation and Pacific North American Pattern*.
- Tyler Fricker*, Florida State University, *Empirical and Observed Analysis of Tornado Damage Area by EF Category*.
- Ruth Baker*, University of Wisconsin - River Falls, *Extreme Snowfall Seasonality in the Upper Midwestern U.S.*.
- Morgan L Terry*, *Assessing the Relationship Between High Lightning Events and Storm Mode in Central Alabama*.
- Yao Zhou*, Department of Geography, University of Florida; Corene J. Matyas, Department of Geography, University of Florida, *Measuring the width of rainfall fields produced by landfalling tropical cyclones*.
- Frederick B Chambers*, University of Colorado Denver; Amanda Weaver, Ph.D., University of Colorado Denver, *Establishing a Spatial-Temporal Weather/Climate Network at an Urban Farm Field Research Site*.
- Brian Bossak, PhD, MPH*, Department of Health Sciences, Florida Gulf Coast University; Sarah Keihany, Jiann-Ping Hsu College of Public Health, Georgia Southern University; Mark Welford, PhD, Department of Geography & Geology, Georgia Southern University, *Georgia's Historical Hurricane Record*.

3455.

Mega-events: planning and impacts (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room:

Grand Salon D, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Martin Müller, Universität Zürich; Christopher Gaffney, Universidade Federal Fluminense; Mark Wilson, Michigan State University
 CHAIR(S): Martin Müller, Universität Zürich

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Introducer: Martin Müller

12:50 John Lauermann*, Clark University, *Megaevents bidding as urban development planning: event-based development through and beyond the event.*

1:10 Alexandra Oanca*, CEU, *The Magic of Expertise beyond Writing. The Production and Management of Emotions in Mega-events Bidding.*

1:30 Elaine L Rust*, University of Southampton, *Events, impacts and scale: a view from the neglected end of the spectrum.*

1:50 Christopher Gaffney*, Universidade Federal Fluminense, *Fools' Gold: the urban geo-politics of Rio 2016.*

Discussant(s): Mark Wilson, Michigan State University

3458. Scales of Politics in the United States

Room: Grand Salon G, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Paul C. Sutton, University of Denver

12:40 Kenneth Johnson, M.R.P., PH.D.*, S.U.N.Y. - ONEONTA, *Political Geography of U.S. Presidential Elections, 2004-12.*

1:00 Daniel Rogers*, CUNY Graduate Center, *The Subnational State and American Exceptionalism.*

1:20 Yasmin Hilpert*, *Political Absorption of New Interests in Metropolises of Change.*

1:40 Linda McCarthy*, University of Wisconsin, *Neoliberalism and the privatization of governance: Always in the best interest of taxpayers no matter what!*

2:00 Paul C. Sutton*, University of Denver, *Voter Suppression and the Ecological Fallacy: A Colorado Case Study.*

3459. Thinking About Geography

Room: Grand Salon H, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrew Shears, University of Wisconsin-Fox Valley

12:40 Dane Rook*, University of Oxford, *Minding Maps whilst Mapping Minds: Pragmatic Mutualism for Neuroeconomics and the New Economic Geography.*

1:00 Chris Collinge*, Birmingham University; Chris Collinge, University of Birmingham, *Innovation: the construction of novelty.*

1:20 Wei Luo*, GeoVISTA Center, Department of Geography, Penn State University; Alan M MacEachren, GeoVISTA Center Geography Department Penn State University, *Geo-social visual analytics.*

1:40 Andrew Shears*, Mansfield University, *Quantum Geographies: Applying Einsteinian Space-Time to Four-Dimensional Interpretation of Places Memorializing Tragedy.*

3460. Sense of Place

Room: Grand Salon I, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): E. Eric Boschmann, University of Denver

12:40 Emily Fedoruk*, University of Minnesota, *To Scale / For Sale: Gentrification and the Poetic Commodity.*

1:00 Ana Mahecha*, Rutgers University; Ana Mahecha, Rutgers University, *Local knowledge, the sense of the public and place-making in schools. An overview from two experiences of environmental education in Colombia.*

1:20 Shelley K Buchbinder, LMSW*, Graduate Center, CUNY, *Why Live Here? Post-Industrial Restructuring and Attachment to Place.*

1:40 Maria A Perez, Ph.D.*, West Virginia University, *Unrequited Spaces: Longing in Venezuelan Cave Exploration and Science.*

2:00 E. Eric Boschmann*, University of Denver, *From Old West to New West: Place making and the role of art in Denver's culture-led economic development.*

3461. The Geography of Real Estate

Room: Grand Salon J, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nathaniel Trumbull, University of Connecticut

12:40 François Cusin, Université Paris-Dauphine; Hugo Lefebvre*, Bill Lane Center for the American West, Stanford University, *Real-Estate structure of French and American Cities: A Comparative analysis.*

1:00 Andrew Whittemore*, University of California, Los Angeles; Michael Smart*, University of California - Los Angeles, *The Geography of a local LGBT real estate market: change and continuity in Dallas over three decades..*

1:20 Chih-Yu Lai*, University of Oklahoma; May Yuan, University of Oklahoma, *Nuclear Waste Transport and Property Values: A Spatio-Temporal Analysis.*

1:40 Nathaniel Trumbull*, University of Connecticut, *Renovation of housing in the post-socialist city: the case of St. Petersburg.*

3463. Human Dynamics in the Mobile Age: Linking Physical and Virtual Spaces II (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group, Transportation Geography Specialty Group)

Room: Florida Salon II, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Ming-

Hsiang Tsou, San Diego State University; Shih-Lung Shaw, University of Tennessee

CHAIR(S): Ming-Hsiang Tsou, San Diego State University

12:40 Xinyue Ye*, Kent State University; WenWen Li, Arizona State University, *What are we 'tweeting' about Black Friday?.*

1:00 Yanjia Cao*, SUNY-Buffalo, Department of Geography; Chris S. Renschler, SUNY-Buffalo, Department of Geography; Geoffrey M. Jacquez, SUNY-Buffalo, Department of Geography, *Spatial and Temporal Analysis and Modeling for Prenatal Exposure (STAMPX).*

1:20 Cheng Fu*, University of Maryland at College Park, *Preliminary Study on Urban Land Use Classification by Geo-tagged Tweets.*

1:40 Ziliang Zhao*, The University of Tennessee, Knoxville; Shih-Lung Shaw, PhD, The University of Tennessee, Knoxville; Yang Xu, The University of Tennessee, Knoxville, *Cellphone towers as sensors: uncovering the pulse of the city using cellphone tracking data.*

2:00 Edwin Chow*, Texas State University; Ryan Schuermann, Texas State University, *Spatiotemporal mining of migration patterns from web demographics.*

3465. Perspectives on Rural Sustainability: Scale and Place II - US Regional Situations (Sponsored by Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Scale and Sustainability, Landscape Specialty Group)

Room: Florida Salon IV, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Lisa Butler Harrington, Kansas State University

CHAIR(S): Randall K. Wilson, Gettysburg College

12:40 Firooz Pavri*, University Of Southern Maine; Jean MacRae, University of Maine Orono; Abraham Dailey, University of Southern Maine; Anna Springsteen, University of Maine Orono, *Landscape change and freshwater systems management: lessons from northern New England.*

1:00 Lisa J. Powell*, University of Texas at Austin, *Adapted Sustainability in a Rural Western Kentucky Landscape.*

1:20 William Wetherholt, M.A.; A.B.D.*, Kansas State University, *A humanistic approach toward the sustainability of America's Great Plains.*

1:40 Robert C Shepard*, University of Nebraska; John C

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Archer, University of Nebraska, *Nebraska Gender Geodemographics: Residential Patterns of Young Adults, 1930 - 2010*.

Discussant(s): Ryan D Bergstrom, Gustavus Adolphus College

3467. The 2014 Capitalism Nature Socialism Lecture

Room: Florida Salon VI, Marriott, Second Floor (Panel Session)
ORGANIZER(S): David Correia, University Of New Mexico; Salvatore Engel-DiMauro, SUNY New Paltz
CHAIR(S): Mazen Labban, Rutgers University
Panelists: Patrick Bond, University of KwaZulu-Natal

3468. Geography of the Holy Land: New Insights (Sponsored by Bible Geography Specialty Group, Cultural Geography Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)
ORGANIZER(S): William Dando, Indiana State University
CHAIR(S): William Dando, Indiana State University
12:40 William Dando*, Indiana State University; William Dando, Indiana State University, *In Search of More Precise Name and Place Name Identifiers*.
1:00 Bruce R. Crew, Ph.D.*, Independent Scholar, *The Bible within the Context of Historical Geo-Political Power Cores in the Levant*.
1:20 Victoria Alapo*, Metropolitan Community College, Omaha, Nebraska, *Pre-Colonial Africa's Contribution to the History of Christianity and to European Scholarship: A Case Study of the Historical Kingdom of Ethiopia*.
1:40 Dorothy Drummond*, Indiana State University; Dorothy Drummond, Indiana State University (emerita), *East of Babylon: The Jewish Diaspora in Asia*.
2:00 Quentin Stubbs*, University of Maryland - Department of Geographical Sciences, *Marshes: Their Importance and Influence on Life, Nature and Spirituality of the Ancient Israelites*.

3469. Climate Change and Agriculture (Sponsored by Geographies of Climate Change)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Geographies of Climate Change
CHAIR(S): Richard W Dixon, Texas State University
12:40 Jeffrey Andresen*, Michigan State; Atul Jain, University of Illinois; Dev Niyogi, Purdue University; Gopal Alagarwamy, Michigan State University; Paul Delamater, Michigan State University; Xing Liu, Purdue University, *Assessing the Impact of Climatic Variability and Change on Maize Production in the Midwestern USA*.
1:00 Timothy J Stoeber*, Southern Illinois University At Carbondale, *Potential Agricultural Landscapes of the American Heartland under Future Climate Change*.
1:20 Teri Watkins*, Mississippi State University; Grady Dixon, Mississippi State University, *Assessment of Weather-Related Risk Associated with Early Corn Planting in Mississippi*.
1:40 Richard W Dixon*, Texas State University, *Climate and Man: Revisiting the 1941 Yearbook of Agriculture*.

3470. Geography of Wine -- New World (Sponsored by Wine Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Juana Ibáñez, University of New Orleans
CHAIR(S): Mark Guizlo, Lakeland Community College
12:40 Christi G Townsend*, Texas State University, San Marcos, Texas, *Texas Viticulture: Changing Grower Perceptions of Natural Hazards*.
1:00 Robert P Sechrist*, Indiana University of Pennsylvania, *An Analysis of the Tax and Trade Bureau Winery Permit Database*.
1:20 Kathryn Nora Barnard*, Portland State University; Scott F. Burns, PhD, Portland State University, *Physical*

Characteristics, Clay Mineralogy and Elemental Fingerprinting of Pinot Noir Vineyard Soils from the Willamette Valley, Oregon.

1:40 Percy H. Dougherty, PhD*, Kutztown University of Pennsylvania, *Regional Preferences in the American Wine Society 2013 Rhone Style Wine Tasting Project*.
2:00 Mark Guizlo*, Lakeland Community College, *Land Suitability Modeling of Grape Production in a Cool Climate Wine Region*.

3471. Spatial Epidemiology I: Spatial association, spatial modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Eric Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University
CHAIR(S): Elisabeth Root, University of Colorado, Boulder
12:40 Lan Mu*, University of Georgia, *Spatial Coincidence between Golf Course and Cancer?*.
1:00 Warren C Jochem*, University of Colorado at Boulder; Abdur Razzaque, icddr,b; Elisabeth D Root, University of Colorado at Boulder, *Social and Spatiotemporal Patterns of Arsenic Exposure in Matlab, Bangladesh*.
1:20 Francis Boscoe*, New York State Department of Health; Recinda L Sherman, University of Miami; Kevin A Henry, Rutgers University; Ge Lin, Nebraska Department of Health and Human Services; David G Stinchcomb, Westat, Inc.; Christopher J Johnson, Cancer Data Registry of Idaho, *The relationship between poverty and cancer incidence in the United States*.
1:40 Sze Hang (Hana) Fu*, Centre for Global Health Research, *Spatial Cluster Analysis of Tobacco Smokers in India*.
2:00 Yurie Maher*, Centre for Global Health Research, *An Impact Assessment of Particulate Matter on Human Health - An Exploratory Analysis in India as a Case Study*.

3473. Local and embodied responses to racism (Sponsored by Racism and Violence)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Kevin Dunn, University of Western Sydney; James Forrest, Macquarie University; Jacqueline K Nelson, University of Western Sydney
CHAIR(S): Kevin Dunn, University of Western Sydney
12:40 Kevin M Dunn*, University of Western Sydney, *Racial discrimination in the Australian housing market*.
12:56 James Forrest*, Macquarie University; Kevin M. Dunn, University of Western Sydney, *Racial violence in Australia: national incidence and teacher attitudes to school-based anti-racism initiatives*.
1:12 Jacqueline K Nelson, Dr*, University of Western Sydney, *Place Defending and the Denial of Racism*.
1:28 Scott Sharpe*, University of New South Wales at Canberra; Maria Hynes, Australian National University, *Bystander Action and the Affective Turn*.
1:44 Brigid M Trenerry*, University of Western Sydney, *Building inclusive organisations: supporting anti-racism and diversity in local government*.
2:00 Nemoy Lewis*, *An American Nightmare: The Subprime Crisis and the Impact on African Americans*.
Discussant(s): Kevin Dunn, University of Western Sydney

3474. Retail and Business Geography I (Sponsored by Business Geography Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Tony Hernandez, Ryerson University
CHAIR(S): Tony Hernandez, Ryerson University
12:40 Brett J. Lucas*, American Public University, *A Case Study of Grocery Retailing: Can Wal-Mart Remain Dominant*

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- 1:00** Ling Zhang*, University of Utah, *Foreign retailers in China: the supermarket retailing sector.*
- 1:20** Christopher R Daniel, M.S.A.*, CSCA - Ryerson University, *Estimating the Impact of Smart Growth on Commercial Real Estate in the GGHA.*
- 1:40** Hao Huang*, University of Utah, *Foreign Direct Investment by Region and Regional Catching-up: Empirical Evidence from the Chinese Provinces, 1990-2010.*
- 2:00** Yang Bao*, University of Arizona; Yang Bao, University of Arizona, *The Impact of Trip-chaining Behavior on Grocery Store Choice and Store Location Strategy.*

3477. Polar Geographies III: Politics, Borders and Natural Resources (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group, Polar Geography Specialty Group)

- Room:* Meeting Room 8, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Scott Stephenson, UCLA; Kelsey Nyland, George Washington University
- CHAIR(S): Jessica K. Graybill, Colgate University
- 12:40** Philip Steinberg*, Durham University; Johanne Bruun, Durham University; Ingrid Agnete Medby, Durham University, *The Race for the Arctic (Council).*
- 1:00** Scott R Stephenson*, UCLA; John A Agnew, PhD, UCLA, *Extractive Networks in the Arctic Oil and Gas Sector.*
- 1:20** Heather Nicol*, Trent University, *Geopolitical Rationalities and State-Centered Discourse in the Canadian Arctic.*

3478. International Organizations for Planning of Cities and Urban Regions (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)

- Room:* Meeting Room 9, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-UNIV FED RIO GDE DO SUL
- CHAIR(S): Joel Outtes, UFRGS-UNIV FED RIO GDE DO SUL
- 12:40** Joana Barros, PhD*, GEDS, Birkbeck, University of London, *Location-based studies of slums: should we bother?.*
- 1:00** Charles Heck*, Florida International University, *Precarious Governance in Rio de Janeiro: Green Urbanism, Favela Politics and Displacement.*
- 1:20** Joshua Shake*, University of Michigan, *Privatizing Urban Planning and the Struggle for Inclusive Urban Development: New Redevelopment Forms and Participatory Planning in São Paulo.*
- 1:40** Betty Elaine Smith, Ph.D.*, Eastern Illinois University, *Planning for Intermediate Cities.*
- 2:00** Joel Outtes*, UFRGS-UNIV FED RIO GDE DO SUL; Thiago Mauer, GEST-UFRGS, *From Garden-cities to the Preservation of Historical Centers: The Geography of the International Federation for Housing and Planning (1913-2000)..*

3479. Author Meets Critics: Geopiracy: Oaxaca, Militant Empiricism, and Geographical Thought, by Joel Wainwright (Sponsored by Socialist and Critical Geography Specialty Group)

- Room:* Meeting Room 10, Marriott, Third Floor (Panel Session)
- ORGANIZER(S): John Finn, Christopher Newport University
- CHAIR(S): John Finn, Christopher Newport University
- Introducer: John Finn
- Discussant(s): Joseph Bryan, Department of Geography, University of Colorado, Boulder
- Panelists: Trevor Barnes, University Of British Columbia; Sharlene Mollett, Dartmouth College; Denis Wood; Emily Gilbert, University of Toronto; Joel D Wainwright, The Ohio State University

3480. Geographies of Education 1: Pedagogical Strategies and Praxis in the Teaching of Atmospheric Sciences and Climate Change (Sponsored by Geographies of Climate Change, Geography Education Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

- Room:* Meeting Room 11, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Joseph Palis, North Carolina State University; Helene DUCROS, University of North Carolina - Chapel Hill; Lisa Marshall, UNC-Chapel Hill (& NC State University)
- CHAIR(S): Kim Engie
- 12:40** David Padgett*, Tennessee State, *An Atmospheric Science-Based Inner-City Service Learning Project using AAG My Community, Our Earth Program Content.*
- 1:00** Jeff Brunskill*, Bloomsburg University; Curt Jones, Bloomsburg University, *Bloomsburg Weather Viewer: A Visualization Software Program for Teaching Introductory Weather Concepts.*
- 1:20** Grant Wilson*, University of Toledo, *Climate Change Education for Teacher Leaders.*
- 1:40** Pamela Knox*, University of Georgia; Crystal Powers, University of Nebraska-Lincoln; David Schmidt, University of Minnesota; David Smith, Texas A&M University; Elizabeth Whitefield, Washington State University; Jennifer Pronto, Cornell University, *An Innovative Online Course to Teach Agricultural Producers about Climate Science and Impacts of Climate Change on Livestock.*

3481. Demography, Identity and Dynamics 1 (Sponsored by Geographic Information Science and Systems Specialty Group)

- Room:* Meeting Room 12, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Alex Singleton; Paul Longley, University College London; Seth Spielman, University of Colorado
- CHAIR(S): Paul Longley, University College London
- 12:40** James Cheshire*, UCL, *Revealing Urban Dynamics from Bicycle Sharing Systems.*
- 1:00** Tao Cheng*, University College London; Thomas Wicks, *How Twitter Reflects Disaster Events?.*
- 1:20** Alex D Singleton*, University of Liverpool; Michail Pavlis, University of Liverpool, *Using Secondary Data to Measure, Monitor and Visualise Spatio-Temporal Uncertainties in Geodemographics.*
- 1:40** Karyn Morrissey, Ph.D*, University of Liverpool; Ferran Espuny, Ph.D, University of Liverpool; Paul Williamson, Ph.D, University of Liverpool, *A Framework for Developing a Spatial Microsimulation Model of Co-Morbidity.*
- 2:00** Benjamin J. Ritter*, University of Utah; Steven Farber, University of Utah, *When and Where: Dynamic Public Transit Accessibility along Utah's Wasatch Front.*

3482. Wildfire in Mountain Environments I (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)

- Room:* Meeting Room 13, Marriott, Third Floor (Paper Session)
- ORGANIZER(S): Melanie Stine, Texas State University-San Marcos
- CHAIR(S): Melanie Stine, Texas State University-San Marcos
- 12:40** Nathan Mietkiewicz*, Clark University; Dominik Kulakowski, Ph. D., Clark University, *How do spruce beetle outbreaks affect fuel loads in the southern Rocky Mountains, CO.*
- 1:00** Dominik Kulakowski*, Clark University, *Reduced susceptibility of young stands to spruce-beetle outbreaks is mediated by climate.*
- 1:20** Thomas Brussel*, University of Wyoming; Simon Brewer, Assistant Professor, University of Utah;

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Andrea Brunelle, Associate Professor, University of Utah; Colin Long, Associate Professor, University of Wisconsin Oshkosh; Thomas A. Minckley, Assistant Professor, University of Wyoming; Mitchell Power, Assistant Professor, University of Utah, *Characterization of past fire regimes through the development of a Pollen-Fire Index.*

1:40 Melanie Stine*, University of Texas at San Antonio, *Seedling Site Conditions and Associations after Recent Fires within the Alpine Treeline Ecotone.*

2:00 Dawna L. Cerney, Ph.D*, Youngstown State University; Dan Buckler, MS, Youngstown State University, *Vegetation Response to Fire Disturbance on Sofa Mountain, Waterton Lakes National Park, Canada.*

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3501. Geography and Service Learning: Engaging values and people in the lower division classroom (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Room 1, TCC, First Floor (Panel Session)

ORGANIZER(S): Sarah Goggin; Lesli Rawlings, Wayne State College

CHAIR(S): Sarah Goggin

Panelists: Lesli Rawlings, Wayne State College; Diane O'Connell, Schoolcraft College; Ola Ahlqvist, The Ohio State University; Alice Mulder, Weber State University; Timothy Hawthorne, Georgia State University; Susan Berta, Indiana State University

3503. Topics in Cultural Geography

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Darren Purcell, University of Oklahoma

2:40 Stephanie E. Koehn, Graduate Student*, Oklahoma State University, *Escaping to American Renaissance Festivals.*

3:00 Matias Karekallas*, The Finnish Foundation for Gaming Research & University of Helsinki; Pauliina Raento, The Finnish Foundation for Gaming Research & University of Helsinki; Taina Renkonen, The Finnish Foundation for Gaming Research & University of Helsinki, *Diffusion and Learning: Twenty Years of Sports Betting Culture in Finland.*

3:20 Jihwan Yoon*, University of Tennessee at Knoxville, *Discourse Producer: Official publications of the 1982 World's Fair and urban redevelopment.*

3:40 Damon Scott*, Miami University, *Before the Creative Class: Blight, Gay Movies, and Family Values in the Haight-Ashbury Neighborhood, 1964.*

4:00 Darren Purcell*, University of Oklahoma, *Assessing the Humor of Late-Night Comedians' Arab Spring Jokes..*

3504. Historical and Current Issues in Military Geography (Sponsored by Military Geography Specialty Group)

Room: Room 4, TCC, First Floor (Paper Session)

ORGANIZER(S): Andrew Lohman

CHAIR(S): Andrew Lohman

2:40 Kevin Evringham*, University of Connecticut, *A new look at security alliances in East Asia.*

3:00 Douglas Batson*, U.S. Board on Geographic Names, *The Security of Megacities.*

3:20 Andrew Lohman*, United States Military Academy, *The City and War: Defining the urbanization of warfare.*

3505. The Business of Place Naming: A Session in Honor of Wilbur Zelinsky (Sponsored by Study of the American South Specialty Group, The American South, Cultural Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Derek H. Alderman, University of Tennessee; Christopher W. Post, Kent State University

CHAIR(S): Derek H. Alderman, University of Tennessee

2:40 Christopher A Cooper*, Western Carolina University; H. Gibbs Knotts*, College of Charleston, *What do Wilbur Zelinsky and the Beatles have in Common?.*

3:00 Jennifer Mann*, UC Synergetic, *The Coast As a Vernacular Region.*

3:20 Derek H Alderman*, University of Tennessee; Janna R Caspersen*, University of Tennessee, *Businesses on the Vine: "Kudzu" Naming Practices as Southern Symbolic Capital.*

3:40 Christopher W. Post*, Kent State University; Derek H Alderman, University of Tennessee, Knoxville, *"Wiping New Berlin Off The Map:" Political Economy and the De-Germanization Of The Toponymic Landscape In WWI USA.*

4:00 Maral Sotoudehnia*, University of Victoria; Reuben Rose-Redwood, Dr., University of Victoria, *Private Names For Public Places: A Geographical Investigation of Naming Rights Policies in Canadian Cities.*

3506. Use of Geospatial Techniques and Technology in Water Resource Research (Sponsored by Geographic Information Science and Systems Specialty Group, Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Gary T. LaVanchy; Joseph Hoover, University of Denver

CHAIR(S): Gary T. LaVanchy

2:40 Joseph H. Hoover*, University of Denver, *Communicating Water Quality Information Using Internet GIS.*

3:00 Gary T. LaVanchy*, University of Denver, *Tourism as tragedy? Common Problems with water in post-revolutionary Nicaragua.*

3:20 Gregory S Vandeberg*, University Of North Dakota; Cami S Dixon, U.S. Fish and Wildlife Service; Brian Vose, U.S. Fish and Wildlife Service; Mark R Fisher, U.S. Fish and Wildlife Service, *Spatial Assessment of Water Quality in the Vicinity of Swine CAFOs in the Upper Devils Lake Basin, North Dakota.*

3:40 Mary Grunstra*, Ryerson University; Brian Ceh, Ryerson University; Eric Vaz, Ryerson University, *Spatial Distribution of Disinfection Byproducts in Drinking Water: Case of Ontario, Canada.*

4:00 Laura Benneyworth*, Vanderbilt University, *The*

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Importance of Scale in Safe Drinking Water Access in Southwestern Bangladesh.

- 3507. FQG: Gendering Capital, Gendering Crisis: New Research in Feminist Economic Geography I (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**

Room: Room 7, TCC, First Floor (Paper Session)
 ORGANIZER(S): Kate Derickson, University of Minnesota; Marion Werner, University at Buffalo, SUNY
 CHAIR(S): Kate Derickson, University of Minnesota
2:40 Marion R Werner, Ph.D.*, University at Buffalo, SUNY, *The Everyday and the Event of Economic Crisis: A Feminist Perspective.*
3:00 Fiona Allon*, University of Sydney, *Speculating on Everyday Life: Finance, Time and the Future.*
3:20 Miranda Joseph*, University of Arizona, *Accounting for Time: Queering the Entrepreneurial Subject.*
3:40 Anne Bonds*, University of Wisconsin, Milwaukee, *Enduring Incarceration: Gender, Racial Capitalism, and 'Prison life'.*
 Discussant(s): Jane Pollard, Newcastle University

- 3508. Urban Cultural Studies 2: The Cultures of Cities**

Room: Room 8, TCC, First Floor (Paper Session)
 ORGANIZER(S): Benjamin Fraser, College of Charleston
 CHAIR(S): Benjamin Fraser, College of Charleston
2:40 Matthew Lamb, PhD*, Penn State University, *Misuse of The Monument: Parkour and the Discursive Limits of a Disciplinary Architecture.*
3:00 Maja Klausen, Ph.D Scholar*, University of Southern Denmark, *Re-enchanting the city: Hybrid space, affect and playful performance in geocaching, a location-based mobile game.*
3:20 Aparna Parikh*, Pennsylvania State University, *Neoliberal Islands: Gated Spaces, Permeable Boundaries and Urban Hygiene in Mumbai, 1990-2013.*
3:40 Malcolm James*, City University, London, *Nihilism and the new circuits of urban multicultural.*
4:00 Dylann M McLean*, York University, *Encountering City Clowns: Creating Red Spaces in Toronto.*

- 3509. FQG - Author Meets Interlocutors: "Geografias Malditas: Corpos, Sexualidades e Espaços" (Sponsored by Latin America Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**

Room: Room 9, TCC, First Floor (Panel Session)
 ORGANIZER(S): David Seitz
 Panelists: Joseli Maria Silva, University of State of Ponta Grossa - Paraná - Brazil; Maria Rodo-De-Zarate

- 3510. The Economy of Cities IV**

Room: Room 10, TCC, First Floor (Paper Session)
 ORGANIZER(S): John R Miron, University of Toronto; Ying Ge
 CHAIR(S): John R Miron, University of Toronto
2:40 Tao Liu*, The University of Hong Kong, *The Marketization of China's Urban Land: Top-down or Bottom-up?.*
3:00 Joshua Randall*, Rutgers University, *An Analysis of the Spatial and Political Attributes of Phoenix, AZ Water Users.*
3:20 Can Cui*, Utrecht University; Pieter Hooimeijer, Utrecht University; Stan Geertman, Utrecht University, *The timing of first-time home-ownership of skilled migrants in Nanjing, China: a life course perspective.*
3:40 Yuting Hou*, University of Southern California, *Road congestion, polycentricity and intra-urban firm location choices: a study of Los Angeles metropolitan area.*
 Discussant(s): John R Miron, University of Toronto

- 3511. Hurricane VI: Paleotempestology and Societal Response (Sponsored by Climate Specialty Group)**

Room: Room 11, TCC, First Floor (Paper Session)
 ORGANIZER(S): Jennifer Collins, University of South Florida
 CHAIR(S): Charles Paxton
2:40 Jennifer Collins*, University of South Florida; Joanne Muller, Florida Gulf Coast University; Charles Paxton, University of South Florida; Alexis Monkhouse, University of South Florida; Christian Ercolani, Florida Gulf Coast University; John Milcetic, Florida Gulf Coast University, *Sampling considerations for paleotempestology storm surge records along the southwest Florida coast.*
3:00 Lindsay Rice*, University of South Florida; Jennifer Collins, University of South Florida; Hugh Galdwin, Florida International University; Betty Morrow, *Public Perception and Response to Superstorm Sandy.*
3:20 Jerry Y. Jien*, University of Toronto Scarborough; William A. Gough, Dr., University of Toronto Scarborough, *The Influence of El Niño-Southern Oscillation on Tropical Cyclone Activity in the Eastern North Pacific Basin.*
3:40 Ian Comstock*, University of Florida; Corene Maytas, University of Florida, *Comparing Tropical Cyclone Rain Events to the Passage of Size Criteria.*

- 3512. Spatiotemporal Thinking, Computing, and Applications: Working Session towards a Research Agenda (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Coastal and Marine Specialty Group)**

Room: Room 12, TCC, First Floor (Panel Session)
 ORGANIZER(S): Chaowei Yang, George Mason University; Weihe Wendy Guan, Harvard University; Keith C. Clarke, University Of California, Santa Barbara
 CHAIR(S): Chaowei Yang, George Mason University
 Discussant(s): Dawn J. Wright, Esri; John Wilson, University Of Southern California; Serge Rey, Arizona State University; May Yuan, Univ of Oklahoma; Kathleen Stewart, University of Iowa; Ming-Hsiang Tsou, San Diego State University; Timothy Nyerger, University of Washington; Tao Cheng, University College London; Xinyue Ye, Kent State University

- 3513. Strategies for Acquiring and Succeeding in Post-Doc, Faculty, or Government Positions (Sponsored by Paleoenvironmental Change Specialty Group, Jobs and Careers)**

Room: Room 13, TCC, First Floor (Panel Session)
 ORGANIZER(S): Tripti Bhattacharya
 Panelists: Maria Caffrey, University of Colorado Boulder; Chad Lane, University of North Carolina - Wilmington; Lisa M Kennedy, Virginia Tech; Daniel Griffin, Woods Hole Oceanographic Institution; Christy Briles, University of Colorado at Denver

- 3514. The Academic Job Market for Geographers (Sponsored by Jobs and Careers, Stand-Alone Geographers Affinity Group, Community College Affinity Group)**

Room: Room 14, TCC, First Floor (Panel Session)
 ORGANIZER(S): Mark Revell, Association of American Geographers
 CHAIR(S): Kenneth E. Foote, University of Connecticut
 Panelists: Jonathan (Jon) Wessell, Ferris State University; Trushna Parekh, Texas Southern University; Mark Barnes, Rutgers, The State University of New Jersey; Rachel Kornak, GeoPivot Magazine; Jeffrey Widener, The University of Oklahoma; Casey D Allen, University of Colorado - Denver

- 3515. Exploring the value of a capabilities approach to geography education (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))**

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Room: Room 15, TCC, First Floor (Panel Session)
ORGANIZER(S): Michael N. Solem, Association of American Geographers
CHAIR(S): Michael N. Solem, Association of American Geographers
Introducer: Michael N. Solem
Panelists: Daniel Van Middelkoop, Utrecht University; Tine Bénéker; Anke Uhlenwinkel, University of Giessen; David Lambert; Sirpa Tani, University Of Helsinki

3516. Landscapes & Indigenous Peoples II: Contested Terrains (Sponsored by Landscape Specialty Group, Indigenous Peoples Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)
ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): Steve Rogers, Natural Resources Canada
2:40 James Mogle, PhD Candidate*, Florida State University, *Arizona Snowbowl: Indigenous sacred space and bureaucratic knowledge - a case study.*
3:00 Lisa Cooke*, Thompson Rivers University, *Skekwekwelt: The Othered Side of Sun Peaks Mountain Resort.*
3:20 Laura Schaeffli*, Department of Geography, Queen's University, *Troubling the Canada/U.S. Border: Relations between the 1817-1827 International Boundary Commission and Indigenous peoples.*
3:40 Steve Rogers, MSc*, Natural Resources Canada; Brian Ballantyne, PhD, Natural Resources Canada, *Myth-testing the Dominion Land Survey System in Canada: Geographic triumph with socio-economic benefits?.*

3517. Ethnic Geography Specialty Group Honors Professor Tom Boswell (Sponsored by Ethnic Geography Specialty Group)

Room: Room 17, TCC, First Floor (Panel Session)
ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte; Carlos Teixeira, University of British Columbia Okanagan
CHAIR(S): Heather Smith, University of North Carolina at Charlotte
Introducer: Carlos Teixeira
Discussant(s): Ira Sheskin, University of Miami; Heike C. Alberts, University of Wisconsin-Oshkosh; Emily Skop, The University Of Colorado At Colorado Springs; Angel David Cruz Baez, University of Puerto Rico
Panelists: Thomas D. Boswell, University of Miami

3518. The emergent politics of the austere city: antagonisms and revanchism in crisis resolution (Sponsored by Urban Geography Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)
ORGANIZER(S): Mark Davidson, Clark University; Kevin Ward, University of Manchester
CHAIR(S): Mark Davidson, Clark University
2:40 Ugo Rossi*, Università di Torino, *Austerity measures, accumulation strategies and the post-recession transition.*
3:00 Sara Hinkley*, UC Berkeley, *Every City is Broke: How Urban Austerity Becomes Normal.*
3:20 Joshua M Akers*, University of Michigan-Dearborn, *A Present Future of Austerity Urbanism: A postcard from Detroit.*
3:40 David Wachsmuth*, New York University, *Competitive Multi-City Regionalism: The Urban Political Economy of the Great Recession.*
Discussant(s): Kevin Ward, University of Manchester

3519. Spatial Identity and Geographic Scale II (Sponsored by Political Geography Specialty Group)

Room: Room 19, TCC, First Floor (Paper Session)
ORGANIZER(S): Guntram Herb, Middlebury College; David H

Kaplan, Kent State University
CHAIR(S): David H Kaplan, Kent State University
2:40 George W White*, South Dakota State University, *Transylvania: Hungarian and Romanian?.*
3:00 Takashi Yamazaki*, Osaka City University, *The re-institutionalization of borderland identity in Japan: Minority/majority nationalisms and the politics of scale.*
3:20 Carl T. Dahlman, PhD*, Miami University, *The Repartition of Kurdistan: Geopolitical change and the rise of Kurdish ethnic regionalism.*
3:40 Kefa M. Otiso*, Bowling Green State University, *Construction of the postcolonial Tanzanian National Identity.*

3520. Symposium on Synergistic Advances of CyberGIS and Geography: Multi-scale Spatiotemporal Modeling and Simulation (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)
ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Wenwu Tang, University of North Carolina at Charlotte
CHAIR(S): Wenwu Tang, University of North Carolina at Charlotte
2:40 Xia Li*, School of Geography and Planning, Sun Yat-sen University; Xun Shi, Department of Geography, Dartmouth College; Dan Li, College of Environmental Science and Traveling, Nanyang Normal University, *Geosimulation-Optimization of Land Use under a Cyberinfrastructure (CI) Framework.*
3:00 Jonathan Kemp*, Student, *Applying a Community Resilience Framework to Assimilate, Organize, and Manage Post Disaster Recovery Data Using Geoinformatics.*
3:20 Zhenhua Chen, George Mason University; Kingsley E. Haynes*, George Mason University, *Multilevel Assessment of Public Transportation Infrastructure: A Spatial Econometric Computable General Equilibrium Approach.*
3:40 Kathrin Häb*, Computer Graphics and HCI Group, TU Kaiserslautern; Ariane Middel, Center for Integrated Solutions to Climate Challenges, Arizona State University; Benjamin L. Ruddell, Department of Engineering and Computing Systems, Arizona State University; Anthony J. Brazel, School of Geographical Sciences and Urban Planning, Arizona State University; Chris A. Martin, Faculty of Science and Mathematics, School of Letters and Sciences, Arizona State University, *Source area computation for microclimate measurements within the urban canopy layer.*
4:00 Ye Zhi*, *Human Mobility Similarity Assessment: an Activity-based Analysis View.*

3521. Exurban Studies II: Methodologically and Theoretically Situating an Emerging Subfield (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Urban Geography Specialty Group)

Room: Room 21, TCC, First Floor (Paper Session)
ORGANIZER(S): Seth Gustafson, The University of Georgia; Innisfree Mckinnon, University of Oregon
CHAIR(S): Innisfree Mckinnon, University of Oregon
2:40 Cheryl Morse*, University of Vermont, *Scale, Farming Practices, and Sense of Place in Vermont's Changing Pastoral Landscapes.*
3:00 Courtney Pickett*, Duke University, *Sense of Place and Rural Response in the Context of Amenity Migration on the North Carolina Coast.*
3:20 Kirsten Valentine Cadieux*, University of Minnesota,

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Reparation ecologies in a community agricultural land trust: Re-examining urban-rural edge negotiations in the context of efforts to repair social and ecological landscape relationships.

- 3:40** Seth Gustafson*, The University of Georgia, *Exurban Political Ecology and Lay Critical Cartography in Southern Appalachia.*

3522. Social, Economic and Environmental Issues in Rural China I (Sponsored by China Specialty Group, Asian Geography Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Gregory Veeck, Western Michigan University; Wei Xu, University of Lethbridge

CHAIR(S): Gregory Veeck, Western Michigan University

- 2:40** Kin-Wing (Ray) Chan*, Cardiff School of City and Regional Planning; Kin Wing Chan, Cardiff University, *Farmers' co-operative and production standards making: A case study of bamboo shoots supply network in Lin'an, Zhejiang.*

- 3:00** Gregory Veeck*, Western Michigan University; Zhou Li, Professor, Rural Development Institute, Chinese Academy of Social Sciences; Fawen Yu, Professor, Rural Development Institute, Chinese Academy of Social Sciences; Charles Emerson, Professor, Western Michigan University, *Ecological Economic Challenges for Pastoral Regions in western Sichuan and northwest Yunnan.*

- 3:20** Cindy Fan*, UCLA, *Migration, Remittances, and Social and Spatial Organization of Rural Households in China.*

- 3:40** Chen Chen*, University of California, Los Angeles, *Rural-Urban Household Migration in China: 1980 to 2010.*

- 4:00** Chuanbo Chen*, Renmin University of China; Cindy Fan, UCLA; Chen Chen, UCLA; Yu Wang, Renmin University of China, *Changing attitudes towards the non-agricultural hukou in China.*

3523. Geographies of Central Eurasia. (Sponsored by Russian, Central Eurasian, and East European Specialty Group, China Specialty Group, Asian Geography Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Stanley Toops, Miami University

CHAIR(S): Stanley Toops, Miami University

- 2:40** Mikhail S Blinnikov*, St. Cloud State University, *Kyrgyzstan's Green Gap: Disconnected Preserves, Reconnected Poachers.*

- 3:00** Stanley Toops*, Miami University, *Spatial Results of the 2010 Census of the Xinjiang Uyghur Autonomous Region, China.*

3524. The Practice of NSF's Broader Impacts in Basic Research

Room: Room 24, TCC, First Floor (Illustrated Paper Session)

ORGANIZER(S): Daniel Hammel, NSF; Kelley Crews, University of Texas

CHAIR(S): Thomas Baerwald, National Science Foundation

3526. Annual Progress in Human Geography Lecture

Room: Ballroom A, TCC, First Floor (Paper Session)

ORGANIZER(S): Rob Kitchin, National University Of Ireland

CHAIR(S): Susan Roberts, University Of Kentucky

Introducer: Rob Kitchin

- 2:50** Matthew Hannah*, Universität Bayreuth, *1978 all over again? Epistemic sovereignty, informational citizenship and state phobia.*

3530. Climate justice: interrogating an emergent discourse (1) (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Climate Change, Ethics, Justice, and Human Rights Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Gareth Edwards, Department of Geography and Sustainable Development, University of St Andrews; Sara Fuller, Macquarie University

CHAIR(S): Sara Fuller, Macquarie University

- 2:40** Gareth Edwards*, Department of Geography and Sustainable Development, University of St Andrews, *Theorizing Climate Justice.*

- 3:00** Ian Bailey*, Plymouth University, *Carbon Pricing, Governmentality and the Mobilisation of Climate Justice Claims in Australia.*

- 3:20** Carolyn J Snell, Dr*, The University of York, *'Energy justice in the UK: an impossible balance?'*

- 3:40** Sam Barrett*, Trinity College, *Local Level Climate Justice? Adaptation Finance and Vulnerability Reduction.*

- 4:00** Shaunna Barnhart, PhD*, Allegheny College; Ugan Manandhar, World Wildlife Fund - Nepal, *Intersection of Biogas, Carbon Trading, and Conservation in Nepal: Climate Justice Considerations.*

3531. Transportation, Travel, and Land Use

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lalita Sen, Texas Southern Univ

- 2:40** Lalita Sen, PH.D.*, Texas Southern Univ; Subrity Rajbhandari, MS, Texas Southern University, *Impact of Transportation Development on City Growth: The Case of Delhi, India as a Growing Metropolis: Did the Growth occur after the Delhi Metro or before?.*

- 3:00** Khaula A. Alkaabi, PhD*, United Arab Emirates University, *Analyzing the travel behavior of employees working around metro stations in Dubai, UAE.*

- 3:20** Theresa Enright*, University of Toronto, *The System of Metromobility.*

- 3:40** Evan Carpenter*, University of North Texas, *Litter deposition and transportation patterns: A case study of plastic in Hickory Creek in Denton County, Texas.*

- 4:00** Do J Lee*, The Graduate Center, CUNY, *The Production and Disruption of Cumulative Irresponsibility in Neoliberal Streetscapes.*

3532. Understanding Neighborhood Change II

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Christopher S. Fowler, Pennsylvania State University; Audrey Lumley-Sapanski, Penn State University; Michael Reibel, California State University

CHAIR(S): Michael Reibel, California State University

- 2:40** Renaud Le Goix*, University Paris 1, *Neighborhood change in suburban and ex-urban areas, in the Paris metropolitan region. A spatial analysis of property-level data at the neighborhood level (2006-2012).*

- 3:00** Esther Gloor*, University of Basel, Department of Environmental Sciences, *Dynamics of social space across urban neighborhoods: The case of Basel, Switzerland.*

- 3:20** Sylvestre Duroudier*, University Paris 7 Denis Diderot, *Measure the trajectories of social discontinuities in the US intermediate cities: the case of Tampa, Florida.*

- 3:40** Michael Reibel*, California State University, Pomona, *Neighborhood Scale Organ Donor Probability Analysis: Geodemographics for Health Care Services Outreach Targeting.*

- 4:00** Julie Vallée*, CNRS, UMR Géographie-Cités, Paris, France & UdeM, Department of Social and Preventive Medicine, Montreal, Canada; Guillaume Le Roux, Université de Poitiers, UMR Migrinter, Poitiers, France; Basile Chaix, INSERM, U707, Paris, France; Yan Kestens, Department of Social and Preventive Medicine, Université de Montréal, Canada; Pierre Chauvin, INSERM, U707, Paris, France, *The 'constant size neighbourhood trap' in accessibility studies.*

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3533. Rural Markets, Development, and Institutional Reconfiguration

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Francis Odemerho, Southern Illinois University Edwardsville

2:40 Poonam Jusrut*, University of Illinois Urbana-Champaign, *Institutional reconfigurations and access to forest resources in Tambacounda, Senegal.*

3:00 Wei-Kang Wang*, *The social network of SEOs for rural development in the local innovation system.*

3:20 Francis O Odemerho*, Southern Illinois University Edwardsville; Boyowa A Chokor, University of Benin, Benin City, Nigeria, *The Structure of Periodic Markets for Regional Integration and Development in the Benin Kingdom, Nigeria.*

3:40 Konrad Czapiewski*, Institute of Geography and Spatial Organization Polish Academy of Sciences, *Farmers, knowledge and production - in search of spatial relations (in Poland).*

4:00 Marcin Wojcik*, University of Lodz, Poland, *Looking for a new sense of "place" - farmers and rural transformations in Poland.*

Dr., Texas A&M University, *Considering satisfaction with life in explaining residents' perceived impacts of a rural Texas Czech festival.*

3534. Urban Resource Use and Decision Making

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bhuiyan Alam, The University of Toledo

2:40 Tingting Zhao*, Florida State University, *Household Electricity Consumption and Conservation Behavior.*

3:00 Hui Liu*, The Chinese University of Hong Kong, *Factor Decomposition of Improvement of Energy Utilization Efficiency in China.*

3:20 Guangqing Chi*, Mississippi State University; Jamie Boydston, Mississippi State University, *Gasoline Price Changes and Residential Relocation: Preliminary Findings from the American Housing Survey, 1996-2008.*

3:40 Yuseung Kim*, Univ of Southern Maine; Muller Brian, University of Colorado, *Residential Developer Preferences and Sustainability: Attitudes Toward Location, Design, and Environmental Innovation.*

4:00 Bhuiyan Alam*, The University of Toledo, *Measuring Walk Accessibility of High-School Students to Public Transit: Case of Toledo Area Regional Transit Authority.*

3535. Tourism in the American South (Sponsored by Study of the American South Specialty Group, Recreation, Tourism, and Sport Specialty Group, The American South)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): William Terry, Clemson University

CHAIR(S): William Terry, Clemson University

2:40 Agnes Sirima, Clemson University; Laurie Jodice, Clemson University; Lynn Goris, KU Leuven; Gregory Ramshaw, PhD*, Clemson University, *Rural Trails, Regional Differences - The Case of the South Carolina Seafood Trail.*

3:00 Kyle M WOOSNAM, Dr., Texas A & M University, College Station, Texas; Kayode D. Aleshinloye*, Texas A & M University, *Factoring tourists' expenditures into emotional solidarity with destination residents.*

3:20 Heetae Cho, Clemson University; Gregory Ramshaw, Ph.D., Clemson University; William C Norman, Ph.D.*, Clemson University, *Nostalgia and college football in the Southern US: An analysis of the differences between local and tourists at Clemson University football games.*

3:40 Janet Marie Gunnels*, Clemson University, *Oktoberfest in Helen, Ga: Experiencing other cultures while touring in the South.*

4:00 Jingxian Jiang*, Texas A&M University; Kyle M Woosnam,

3536. Land Use, Sustainability, and Gentrification: Addressing Issues and Assessing Need (Sponsored by Regional Development and Planning Specialty Group)

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Christopher Cusack, Keene State College

CHAIR(S): Debnath Mookherjee, Western Washington University

2:40 George Pomeroy*, Shippensburg University; John Benhart*, Shippensburg University, *Geographic Change and Plan Implementation in Franklin County, Pennsylvania.*

3:00 Jonah White*, Western Washington University, *Obscured by Clouds in the Emerald City: Microgeographies of Gentrification in Seattle, WA.*

3:20 Christopher Cusack*, Keene State College, *City and Campus Sustainability: The Town-Gown Connection.*

3:40 Jennifer Yongmei Pomeroy, Dr.*, Shippensburg University, *Evaluating the Concept of Sustainability in Land Use Planning in Frederick and Caroline Counties of Maryland.*

Discussant(s): Debnath Mookherjee, Western Washington University

3537. Where should I live if not here: Neoliberalizing the Nexus of Home

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Leonor Vanik, UIC-Chicago

CHAIR(S): Leonor Vanik, UIC-Chicago

Introducer: Leonor Vanik

2:50 Sarah Ilene Stein, JD*, Emory University, *Home Life: The Utopic Vision of Municipal Homelessness Programs.*

3:05 Lajos Boros*, University of Szeged, *Homelessness and the politics of public space in Hungary.*

3:20 Leonor Vanik*, University of Illinois - Chicago, *Neoliberal Policies and Right to Housing: A Chicagoland Nexus Closer to Homelessness.*

3:35 Stephen Przybylinski*, Portland State University, *A Critical Space for a Necessary Place: A Portland, Oregon Study of a Homeless Rest Space.*

3539. Evaluating Payments for Ecosystem Services: Evidence from a Chinese nature reserve --II (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Li An, San Diego State University; Rebecca Lewison; Xiaodong Chen, University of North Carolina at Chapel Hill

CHAIR(S): Douglas A. Stow, San Diego State University

2:40 Rebecca Lewison*, San Diego State University, *Assessing ecological responses to PES - the use of ecological metrics as indicators of ecosystem function.*

3:00 Jennifer Feltner*, Joint Doctoral Program in Ecology, San Diego State University and University of California, Davis, *Collaborative conservation: linking human activities, vegetation condition and management policies to monkey habitat use.*

3:20 Minjuan Wang*, *Involving K-12 teachers in CNH Education.*

Introducer: Li An

Discussant(s): Anne Chin, University of Colorado Denver

3540. Let's organize social reproductive labor: skill sharing (a subconference strategy session)

Room: Room 30B, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Christian Anderson, University of Washington at Bothell

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Introducer: Hillary Caldwell
 Discussant(s): Jen Jack Gieseeking, Bowdoin College
 Panelists: Catherine King, NYU; Claire Major, York University;
 Kathryn Wells, Virginia Tech

3541. **Geomorphology, Hazards, and Vulnerability (Sponsored by Geomorphology Specialty Group)**

Room: West Hall, TCC, Third Floor (Poster Session)

ORGANIZER(S): Program Committee

Nathaniel S Wick*, University of Wisconsin Eau Claire; Samuel A Krueger, University of Wisconsin Eau Claire; Douglas J Faulkner, Ph.D., University of Wisconsin Eau Claire, *A Detailed Long Profile of the Lower Chippewa River: Evidence of Ongoing Episodic Incision.*

Anna Parker*, University of Colorado Denver; Anne Chin, University of Colorado Denver, *Ecological interactions within step-pool mountain streams following wildfire.*

Kailey Adams*, East Carolina University, Department of Geography, Planning, and Environment; Thad A Wasklewicz, East Carolina University, Department of Geography, Planning, and Environment; Paul A Gares, East Carolina University, Department of Geography, Planning, and Environment; Megan C Tyrrell, Cape Cod National Seashore, Division of Natural Resource Management; Stephen M Smith, Cape Cod National Seashore, Division of Natural Resource Management, *Quantifying Erosion Rates on a Salt Marsh Platform, Cape Cod, Massachusetts.*

Thaís Minatel Tinós, Ms*, São Paulo State University; Mateus Vidotti Ferreira, Ms, São Paulo State University; José Eduardo Zaine, PhD, São Paulo State University; Paulina Setti Riedel, PhD, São Paulo State University, *Adaptation of an automatic landforms classification for São Paulo State (Brazil) using a digital elevation model.*

Nina Simone Moura, PhD*, Universidade Federal do Rio Grande do Sul; Tielle Soares Dias, Geographer, Universidade Federal do Rio Grande do Sul - PPGGEA, *Changes In Original Morphology and Geomorphological Dynamics: The Occurrence of Floods In the City of Porto Alegre, Rio Grande Do Sul, Brazil.*

Karen A Lemke*, Univ of Wisconsin-Stevens Point; Chase S Kasmerchak, Univ of Wisconsin-Stevens Point; Karina M Casey, Univ of Wisconsin-Stevens Point, *The Impact of Location on Streambed Texture: A Comparison of Two Wisconsin Streams.*

Chase S. Kasmerchak*, Univ. of Wisconsin - Stevens Point; Karina M Casey, Univ. of Wisconsin - Stevens Point; Karen A Lemke, Univ. of Wisconsin - Stevens Point, *A Comparison of Swiffer Horizontal Axis Flow Meters with a FlowTracker Acoustic Doppler Velocimeter.*

Lee Stocks*, Mansfield University; Andrew Shears, PhD, Mansfield University, *Cave Density of the Greenbrier Limestone Group, West Virginia.*

Mateus Vidotti Ferreira, Ms*, São Paulo State University - UNESP; Thaís Minatel Tinós, Ms, São Paulo State University - UNESP; Paulina Setti Riedel, PhD, São Paulo State University - UNESP; José Eduardo Zaine, PhD, São Paulo State University - UNESP, *Landform classification through object-oriented image analysis.*

Jackson Becker*, University of Wisconsin-Eau Claire; Arik Arnevik, University of Wisconsin-Eau Claire; Douglas J. Faulkner, PhD, University of Wisconsin-Eau Claire, *Active Channel Loss on the Lower Chippewa River Due to Reed Canary Grass.*

Adam Mulling*, Missouri State University; Robert Pavlowsky, Missouri State University; Marc Owen, Missouri State University, *Lake Sediment Geochemistry, Distribution, and Point Source Phosphorus Reduction in Table Rock Lake, Southwest Missouri.*

Lauren L. Hutton*, Eastern Illinois University; James D. Riley, Eastern Illinois University, *Patterns of Bed Morphology at a Side Channel Reservoir.*

Nicole S Hutton*, University of South Florida; Graham A Tobin, PhD, University of South Florida; Linda M Whiteford, PhD, University of South Florida; Paul J Cloke, PhD, University of Exeter; David J Conradson, PhD, University of Canterbury, *Rebuilding Connectivity: The Role of the Third Sector in Post-Earthquake Christchurch, New Zealand.*

Paul Zunkel*, *The Spatial Extent and Coverage of Tornado Sirens in San Marcos, Texas.*

Tracy H Allen*, SUNY-Oneonta, *Causes of Catastrophic Flooding in Bangladesh.*

Jiahong Wen*, Department of Geography, Shanghai Normal University; Jianping Yan, Bureau for Crisis Prevention and Recovery, UNDP; Kai Yao, Shanghai Civil Affairs Bureau; Ke Chen, School of Management, Shanghai University of Engineering Science; Lijun Yan, Department of Geography, Shanghai Normal University; Yanjian Wu, Department of Geography, Shanghai Normal University, *Natural Disaster Risk Assessment and Management in Shanghai: Progress and Prospect.*

Jason C Senkbeil*, University of Alabama, *Evidence for Impact Bias of Evacuees from Hurricane Isaac.*

Alan W Black*, University of Georgia, *Winter Precipitation Impacts on Automobile Accidents in the United States.*

Michelle Saunders*, University of Alabama, *Tornado Vulnerability Analysis of Schools in Alabama.*

Jeff Vredenburg*, The University of Iowa; James Tamerius, PhD, The University of Iowa, *Indoor Climate and Health Outcomes by Socio-Economic Status.*

Caroline E Pavlowsky*, University of Oklahoma, *Historical Analysis of Institutional Adaptation to Drought in the High Plains of Texas.*

Nathan Frey*, Pennsylvania State University, *Assessing Vulnerability of Coastal Communities to Subsidence Following a Cascadia Subduction Zone Earthquake.*

Joslyn Zale, MS*, Geoinformatics Hazards Research Laboratory, Department of Geography and Geology, The University of Southern Mississippi; J.O. Joby Bass, PhD, Geoinformatics Hazards Research Laboratory, Department of Geography and Geology, The University of Southern Mississippi; Bandana Kar, PhD, Geoinformatics Hazards Research Laboratory, Department of Geography and Geology, The University of Southern Mississippi; James Dickens, Geoinformatics Hazards Research Laboratory, Department of Geography and Geology, The University of Southern Mississippi, *Spatial Distribution of Social Vulnerability and Vulnerable Populations in Coastal Hazard Induced At-Risk Zones.*

Yanjuan Wu*, Department of Geography, Shanghai Normal University; Shuangye Wu, Geology Department, University of Dayton; Ming Xu, Shanghai Typhoon Institute/China Meteorological Administration; Jiahong Wen, Department of Geography, Shanghai Normal University; Jianguo Tan, Shanghai Institute of Meteorological Science, *Trends in mean and extreme precipitation events in China.*

Lisa Green*, Utah State University, *Human Vulnerability to Climate Change in Calakmul, Mexico.*

Martin Leavitt*, David Brommer, Ph.D, *Examining the influence of tornado warning information on shelter seeking behavior.*

Timothy Andrew Joyner, Assistant Professor*, East Tennessee State University; Carol Friedland, Assistant Professor, Louisiana State University; Joshua Gilliland, M.S., Louisiana State University; Kristopher Mecholsky, Ph.D., Louisiana State University; Robert V. Rohli,

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Professor, Louisiana State University; Nicolette English, Planner, Louisiana Governors Office of Homeland Security & Emergency Preparedness, *Developing a Risk Assessment for a Hazard Mitigation Plan: Lessons from Louisiana.*

Yanrui Shang*, Hebei Normal University, *Study on Farm households' Adaptation Pattern to Drought -----taking Xingtai county in Hebei province of China as an example.*

Mitch Haynes*, East Carolina University; Kailey Adams, East Carolina University; Kathryn Reavis, East Carolina University; Thad Wasklewicz, East Carolina University, *Expanding on Through-Water Terrestrial Laser Scanning Techniques.*

3552. Author Meets Critics: Detroit: Race Riots, Racial Conflicts, and Efforts to Bridge the Racial Divide

Room: Grand Salon A, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Joe Darden, Michigan State University

CHAIR(S): Joe Darden, Michigan State University

Introduction: Doug Richardson, AAG Executive Director

Discussant(s): Joe Darden, Michigan State University; Laura Pulido, University of Southern California; Bobby Wilson, University of Alabama; Audrey L. Kobayashi, Queen's University; Ruth Wilson Gilmore, Graduate Center, City University of New York; John Frazier, Binghamton University

Episodes of racial conflict in Detroit form just one facet of the city's storied and legendary history, and they have sometimes overshadowed the less widely known but equally important occurrence of interracial cooperation in seeking solutions to the city's problems. Unique among books on the subject, *Detroit* pays special attention to post-1967 social and political developments in the city, and expands upon the much-explored black-white dynamic to address the influx of more recent populations to Detroit: Middle Eastern Americans, Hispanic Americans, and Asian Americans. Crucially, the book explores the role of place of residence, spatial mobility, and spatial inequality as key factors in determining access to opportunities such as housing, education, employment, and other amenities, both in the suburbs and in the city.

This session will be followed by a book signing with the author.

3555. Mega-events: sustainabilities, mobilities, legacies (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Martin Müller, Universität Zürich; Christopher Gaffney, Universidade Federal Fluminense; Mark Wilson, Michigan State University

CHAIR(S): Christopher Gaffney, Universidade Federal Fluminense

2:40 Caitlin Pentifallo*, University of British Columbia; Robert VanWynsberghe, PhD, University of British Columbia, *Can sustainability ever be social? Vancouver 2010 in Post-Political Perspective.*

3:00 Martin Müller*, Universität Zürich, *(Im-)mobile policies: Transportation, transformation, translation, or why the 2014 Olympics are not greening Russia.*

3:20 Mark Wilson*, Michigan State University, *Are White Elephants Required?: Planning for Mega Event Legacies.*

3:40 Yeong-Hyun Kim*, Ohio University; Joseph Witek*, University of Minnesota, *World Cup Finals and a Legacy of National Unity in Seoul and Johannesburg.*

Discussant(s): Christopher Gaffney, Universidade Federal Fluminense

3563. Human Dynamics in the Mobile Age: Linking Physical and Virtual Spaces III (Sponsored by Geographic Information Science and Systems Specialty Group, Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Florida Salon II, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Xinyue Ye, Kent State University; Shih-Lung Shaw, University of Tennessee; Ming-Hsiang Tsou, San Diego State University

CHAIR(S): Shih-Lung Shaw, University of Tennessee

2:40 Jinlei Xu*, Wuhan University; Zhixiang Fang, Wuhan University; Shih-Lung Shaw, University of Tennessee; Yang Zhou, Wuhan University, *Exploring daily stay patterns of mobile phone users.*

3:00 Chen Xu*, George Mason University, *Discovering Place from Volunteered Geographic Information.*

3:20 Shih-Lung Shaw*, University of Tennessee, *Potentials and Challenges of Understanding Human Dynamics with Space-Time Analysis of Individual Tracking Data.*

3:40 Budhendra Bhaduri*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Amy Rose, Oak Ridge National Laboratory; Marie Urban, Oak Ridge National Laboratory; Anil Cheriyyadat, Oak Ridge National Laboratory, *Occupancy Curves for Characterizing Population Dynamics.*

3565. Perspectives on Rural Sustainability: Scale and Place III - Concepts & Concerns (Sponsored by Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Scale and Sustainability)

Room: Florida Salon IV, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Lisa Butler Harrington, Kansas State University

CHAIR(S): Ryan D Bergstrom, Gustavus Adolphus College

2:40 Sarah Mason, BSc*, University of Western Ontario; Isaac Luginaah, PhD, University of Western Ontario, *Urban biosolids in the rural landscape: A waste or a resource?.*

3:00 Randall K. Wilson*, Gettysburg College; Thomas W. Crawford, East Carolina University; Sara Cawley, University of Michigan, *Collaborative Conservation and Rural Sustainability in the American West.*

3:20 Beatriz Bustos*, Universidad de Chile, *Rural sustainability post-crisis: imaginaries, discourses and reality.*

3:40 Hannah Gosnell*, Oregon State University; Nicholas Gill, University of Wollongong; Michelle Voyer, University of Wollongong, *Transformational Adaptation on Australian Rangelands: Scaling Up Sustainable Agriculture Through Global Social Learning Networks.*

4:00 John Harrington Jr*, Kansas State University, *Variability and Exceptionalism in Sustainability.*

3566. The North American Periglacial Realm - Papers in Honor of Professor Dieter H. Brunnschweiler (Sponsored by Paleoenvironmental Change Specialty Group, Cryosphere Specialty Group, Geomorphology Specialty Group)

Room: Florida Salon V, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Frederick Nelson, University of Delaware; Bryon Middlekauff, Plymouth State University

CHAIR(S): David Lusch, Michigan State University

2:40 Bryon Middlekauff*, Plymouth State University; Frederick E. Nelson, PhD, University of Wisconsin-Milwaukee, *D. H. Brunnschweiler and the LGM Periglacial Realm in North America.*

3:00 Susan W.S. Millar*, Syracuse University; Hugh M. French, University of Ottawa, Canada, and University of Victoria, Canada, *Updating the Permafrost Realm at the Time of the Last Glacial Maximum (LGM) in North America.*

3:20 David P. Lusch, Ph.D.*, Michigan State University,

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Polygonal Patterned Ground in Central Lower Michigan - Evidence of Late Wisconsin Permafrost.

3:40 Frederick E. Nelson*, University of Delaware; Kelsey Nyland, George Washington University, *"The Cryoplanorium": A Characteristic Periglacial Landscape.*

4:00 Jerry Brown*, *Commemoration of the 50th Anniversary of the First International Conference on Permafrost.*

3567. Charting New Opportunities: Social Environment & Health Research (Sponsored by Health and Medical Geography Specialty Group)

Room: Florida Salon VI, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Bethany Deeds, National Institute on Drug Abuse; William (Bill) Elwood, National Institutes of Health

CHAIR(S): Bethany Deeds, National Institute on Drug Abuse

2:40 Glen E Duncan*, University of Washington; Philip Hurvitz, University of Washington; Anne Vernez Moudon, University of Washington, *TWINStudy of Environment, Lifestyle Behaviors, and Health.*

3:00 Katie Meyer, ScD*, University of North Carolina at Chapel Hill; Daniel Rodriguez, PhD, University of North Carolina at Chapel Hill; Yan Song, PhD, University of North Carolina at Chapel Hill; Le Zhang, University of North Carolina at Chapel Hill; Josh Warren, PhD, University of North Carolina at Chapel Hill; Archana Lamichhane, PhD, University of North Carolina at Chapel Hill; David K Guilkey, PhD, University of North Carolina at Chapel Hill; Marc Peterson, MS, University of North Carolina at Chapel Hill; Catarina Kiefe, MD, PhD, University of Massachusetts Medical School; Cora E Lewis, MD, MSPH, University of Alabama at Birmingham; Janne Boone-Heinonen, PhD, Oregon Health & Science University; Kiyah Duffey, PhD, Virginia Tech; Barry Popkin, PhD, University of North Carolina at Chapel Hill; Penny Gordon-Larsen, PhD, University of North Carolina at Chapel Hill, *The Four Cities Study: Early results from an ancillary study in CARDIA.*

3:20 Christopher Browning*, Ohio State University; Jodi Ford, Ohio State University; Bethany Boettner, Ohio State University; Johnathan Rush, Ohio State University; Mei-Po Kwan, University of Illinois At Urbana-Champaign, *Activity Space Exposures and Adolescent Health and Development.*

3:40 Douglas Richardson*, Association of American Geographers; Mei-Po Kwan, University of Illinois at Urbana-Champaign, *Geospatial Frontiers in Health and Social Environments.*

Discussant(s): William (Bill) Elwood, National Institutes of Health

3568. Geographies of Media 7: Media in Pedagogy (Sponsored by Political Geography Specialty Group, Geography Education Specialty Group, Communication Geography Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Katrinka Somdahl-Sands, Rowan University
Panelists: Kenneth D. Madsen, The Ohio State University; Tyler Sonnichsen, University of Tennessee; Michael Longan, Valparaiso University; Jeff Rose, Davidson College; John Finn, Christopher Newport University; Katrinka Somdahl-Sands, Rowan University; Amy E Potter, Louisiana State University; Scarlett Marklin

3569. Exploring Internal Migration (Sponsored by Population Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Karen King, University of Toronto; Charlynn Burd, U.S. Census Bureau

CHAIR(S): Karen King, University of Toronto

2:40 Charlynn A. Burd, PhD*, U.S. Census Bureau; Brian McKenzie, PhD, U.S. Census Bureau, *Migrants' Previous and Current Neighborhood: An Examination of Choice and Alternative Mode Neighborhood Characteristics.*

3:00 Peter Piet*, City of Elmhurst and Northern Illinois University, *Directional Bias in Residential Movement: Evidence from Chicago and Minneapolis-St. Paul.*

3:20 Rachel S. Franklin*, Brown University, *Shrinking Smart: Population Decline and Footloose Human Capital.*

3:40 Karen King*, University of Toronto; Charlynn Burd, U.S. Census Bureau, *Migration of occupational skill clusters: Evidence from 2007-2011 5-year American Community Survey.*

4:00 Yves Bourgeois, PhD*, Urban and community studies institute, UNB, *Talent mobility, knowledge flows and economic development.*

3570. Geography of Wine -- New World Wine II (Sponsored by Wine Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Juana Ibáñez, University of New Orleans

CHAIR(S): Scott Burns, Portland State University

2:40 Steven R. Schultze*, Michigan State University - Geography; Paolo Sabbatini, Michigan State University - Horticulture; Jeffrey A. Andresen, Michigan State University - Geography; Lifeng Luo, Michigan State University - Geography, *Spatial and Temporal Study of Climatic Variability on Grape Production in Southwestern Michigan, USA.*

3:00 Hilary Whitney*, Portland State University; Ellie Brown, Graduate Student, Portland State University; David Demchak, Graduate Student, Portland State University; Gabriela Ferreira, Graduate Student, Portland State University; Heather Hurtado, Graduate Student, Portland State University; Tamara Linde, Graduate Student, Portland State University; Scott Burns, Ph.D, Portland State University, *The terroir of the Columbia Gorge Wine Region, Pacific Northwest, USA.*

3:20 Lance Lambert*, Southern Connecticut State University; C. Patrick Heidkamp, Southern Connecticut State University, *Viticultural Site Suitability Analysis: A Case Study of Connecticut.*

3:40 Daniella Jimenez Gac*, Universidad de Chile - Universidad de Los Lagos, *Exclusivity in the territories of wine in Chile: discourses and imaginaries of the territories of the Valle Central wines.*

4:00 Scott F. Burns, presenter*, Portland State University; Teresa Hanna, Portland State University; Burl Carpenter, Portland State University; Erik Shafer, Portland State University; Amy Truitt, Portland State University, *Terroir and soils of Clark County, Washington.*

3571. Spatial Epidemiology II: Spatial association, spatial modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Eric Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University

CHAIR(S): Alan Delmerico, Center for Health and Social Research

2:40 Jochen Wendel*, University of Colorado at Boulder; Nathaniel D. Heintzman, University of California San Diego, *Glucomap.org - A multi-sensor framework for integrating data from geo-location, diabetes and exercise devices.*

3:00 Alan M Delmerico, PhD*, Center for Health and Social Research; William F Wiecek, PhD, Center for Health and Social Research, *Polydrug Use In A Long-*

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term *Longitudinal Follow-up*.

- 3:20** William F Wieczorek, PhD*, Buffalo State College; Alan M Delmerico, PhD, Center for Health and Social Research; Maya Shermer, MUP, Center for Health and Social Research; John W Welte, PhD, Research Institute of Addiction, *Demographics of Populations Proximate to Casinos in the US*.

- 3:40** Ping Yin*, University of North Carolina at Greensboro, *Temporal Aggregation Effect on Spatial Disease Cluster Detection: A Case Study on Lung Cancer in Georgia*.

3572. Economic Geography VII - Innovation Linkages: Local-Global Networks and Partnerships

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Dieter F. Kogler, University College Dublin; Heidi ASLESEN, BI - Norwegian business school; David Rigby, UCLA

CHAIR(S): Jennifer Clark, Georgia Institute of Technology

- 2:40** Claudia De Fuentes, PhD*, Sobey School of Business, Saint Mary's University; Cristina Chaminade, PhD, CIRCLE, Lund University, *Architecture of global networks. Who are the main partners for production and innovation of countries in the south and north*.

- 3:00** Heidi WIIG ASLESEN*, BI - Norwegian business school; Gouya Harirchi, Copenhagen Business School, *The effect of local and global linkages on the innovativeness among ict smes: does location specific context matter?*.

- 3:20** Rune Dahl Fitjar*, University of Stavanger; Andrés Rodríguez-Pose, London School of Economics, *There is nothing in the air: On randomness and purpose in the emergence of innovation partnerships*.

- 3:40** Stine Haakonsson, PhD*, Copenhagen Business School; Rasmus Lema, PhD, Aalborg University, *Globalization of Innovation: dynamics of innovation networks in the Chinese wind manufacturing industry*.

Discussant(s): Sharmistha Bagchi-Sen, SUNY-Buffalo

3573. Creative Cities and Inequalities (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): David Wilson, University Of Illinois; Linda McDowell, University of Oxford; Ulrike Gerhard, Ruprecht-Karls University of Heidelberg

CHAIR(S): Thomas Doerfler, University of Lueneburg

- 2:40** Ferenc Gyuris*, Eotvos Lorand University, Dept of Regional Science, Budapest (Hungary), *New Urban Inequalities in Budapest: "Creative" or Simply "Post-Communist"?*.

- 3:00** Thomas A. Hutton*, University of British Columbia, *Culture, Inequality, and Space in the City*.

- 3:20** David Wilson*, University Of Illinois; Dustin Allred, University of Illinois at Urbana-Champaign, *Making a Creative City Via Inclusions And Exclusions: The Ordinary Place Of Berwyn, Illinois*.

- 3:40** Erin DeMuynck*, University of Illinois, *Farmers' markets, neoliberalization, and the production of the eco-ethical creative city*.

Discussant(s): Linda McDowell, University of Oxford; Ulrike Gerhard, Ruprecht-Karls University of Heidelberg

3574. Retail and Business Geography II (Sponsored by Business Geography Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Tony Hernandez, Ryerson University

CHAIR(S): Tony Hernandez, Ryerson University

- 2:40** Stephen Swales*, Ryerson University; K. Wayne Forsythe, Ryerson University, *Evaluation of the Geography of Demand in Canada Using Diverse Data Sources*.

- 3:00** Joseph Aversa*, Ryerson University; Tony Hernandez, Ryerson University, *The New Geography of Consumption*.

- 3:20** Brian Ceh*, Ryerson University; Tony Hernandez, Ryerson University, *A New Urbanism: Evidence from Canadian Cities*.

- 3:40** Murray D Rice*, University of North Texas, *Perspectives on an Evolving Research Field: Locational Intelligence as Represented at the Applied Geography Conferences, 1978 to 2012*.

- 4:00** Vincent Zubedaar Kuuire*, University of Western Ontario; Emmanuel Sowatey; Godwin Arku, PhD, Western University, Canada; Aluizah Abdul-Yakeen Amasaba, *Vendor manoeuvring in a complex retail market: Daily life of retailers in Ghana's informal markets*.

3577. Polar Geographies IV: Monitoring of Climate and Environmental Change (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Geographies of Climate Change, Cryosphere Specialty Group, Polar Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Scott Stephenson, UCLA; Kelsey Nyland, George Washington University

CHAIR(S): Scott Stephenson, UCLA

- 2:40** Amber Lee Todoroff, Undergraduate*, University of Florida; Andrey Petrov, University of Northern Iowa, *Using Hyperspectral Imagery to Understand Pre-Fire Conditions for a Large Tundra Wildfire*.

- 3:00** Xin Miao*, Missouri State University; Hongjie Xie, Department of Geology, University of Texas at San Antonio, *Object-based Image Classification of Arctic Sea Ice and Melt Ponds through High Spatial Resolution Aerial Photos*.

- 3:20** Weihang Chan*, University of Delaware; Daniel Leathers, University of Delaware, *Arctic Energy Fluxes and Atmospheric Circulation*.

- 3:40** Song Shu*, Department of Geography, University of Cincinnati; Hongxing Liu, University of Cincinnati; Kenneth Hinkel, University of Cincinnati; Richard Beck, University of Cincinnati; Lei Wang, Louisiana State University, *Spatio-temporal Variability of Lake Ice Surface Elevation and Water Stage of Alaskan Arctic Lakes from ICESat Laser Altimetry Observations, 2003-2009*.

3578. I. Reinventing the Rural: Gender, Development and Contested Landscapes (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Ann Oberhauser, West Virginia University

- CHAIR(S): Nicole Laliberte, University of Toronto Mississauga
2:40 Léonie Newhouse, Ph.D*, The Pennsylvania State University, *Negotiating the gendered terrain of labor and value in rural South Sudan*.

- 3:00** Gregory Schwartz*, University of Texas Geography, *The Under-utilized Human Capital of Women: gender, land-use enclosure, and payment for environmental services programs in Osa, Costa Rica*.

- 3:20** Ann M Oberhauser*, West Virginia University, *Gendered Landscapes of Rural Change: A South Africa Case Study*.

- 3:40** Nicole Laliberte*, University of Toronto Mississauga, *Displaced Rurality: Gender relations and 'protected villages' in northern Uganda*.

Discussant(s): Pamela McElwee, Rutgers

3579. "The Wicked Problem of Public Participation: What is the Role of the Geoweb?"

Room: Meeting Room 10, Marriott, Third Floor (Paper Session)

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- ORGANIZER(S): Pamela Robinson, School of Urban and Regional Planning
 CHAIR(S): Pamela Robinson, School of Urban and Regional Planning
2:40 Pamela Robinson*, School of Urban and Regional Planning, *"The Wicked Problem of Public Participation: What is the Role of the Geoweb?"*.
3:00 Peter A Johnson*, University of Waterloo, *Fear of an 'international' constituency: Jurisdictionality as a constraint on government adoption of the Geoweb for public participation*.
3:20 Teresa Scassa*, University of Ottawa, *Public Participation and the Geoweb: the Wicked Problem of Intellectual Property Law*.
3:40 Elizabeth F Judge, PhD*, University of Ottawa, Faculty of Law, *"Implied License for Downstream Uses of Copyrighted Information on the Geoweb"*.
4:00 Jessica Breen*, University of Kentucky, *Public Participation and Strategy: Does strategy impact the efficacy of geoweb-enabled tools in helping to tame the wicked problem of participation?*.

3580. Geographies of Education 2: Pedagogical Strategies and Praxis in the Teaching of GIS and Geospatial Technology (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

- ORGANIZER(S): Joseph Palis, North Carolina State University; Lisa Marshall, UNC-Chapel Hill (& NC State University); Helene DUCROS, University of North Carolina - Chapel Hill
 CHAIR(S): Craig M. Dalton, Bloomsburg University of Pennsylvania
2:40 Ahmad S. Massasati*, University of Pittsburgh at Johnstown, *Using 3D Models of the Great Pyramid of Giza for Teaching Purposes Using GIS*.
3:00 Binita Sinha*, Diablo Valley College, *Expanding Geospatial Technology Education to High Schools-Phase II*.
3:20 Lisa K Tabor*, Kansas State University; John A Harrington, Jr., Kansas State University, *Advancing the Teaching of History and Geography in the K-12 Classroom Using Dual-Encoding and Geographic Information Systems*.
3:40 Nathan McKinney*, University of West Florida, *Promoting Campus Inter-activity With Student Created Interactive Campus Web-GIS*.
4:00 Mary Fargher*, Institute of Education, University of London, UK, *New perspectives on the role of GIS in constructing school geography*.

3581. Demography, Identity and Dynamics 2 (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

- ORGANIZER(S): Alex Singleton; Paul Longley, University College London; Seth Spielman, University of Colorado
 CHAIR(S): David O'Sullivan, University of California, Berkeley
2:40 Chris Gale*, University College London, *The public's attitude towards policing in London: A geodemographic perspective*.
3:00 Muhammad Adnan*, University College London; Paul Longley*, University College London, *A geo-temporal demographics of Twitter usage*.
3:20 Jens Kandt*, Dept. of Geography, University College London; James Cheshire, Centre of Advanced Spatial Analysis, The Bartlett, University College London; Paul A. Longley, Dept. of Geography, University College London, *Researching Health Disparities: Genes, Place and Population Structure*.

3:40 Alistair Leak*, UCL; Muhammad Adnan, Doctor, UCL; Paul Longley, Professor, UCL, *Towards a Seamless World Names Database*.

4:00 Seth Spielman*, University of Colorado; Alex Singleton, University of Liverpool, *A New American Atlas? An Open Source Geodemographic Classification of the United States*.

3582. Wildfire in Mountain Environments II (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

- ORGANIZER(S): Melanie Stine, Texas State University-San Marcos
 CHAIR(S): Melanie Stine, Texas State University-San Marcos
2:40 Lucy Burris*, Colorado State University; Jason Sibold, Assistant Professor of Geography, Department of Anthropology, Colorado State University, *Characteristics of wildfire-igniting lightning in the Western United States*.
3:00 Elizabeth Schneider*, University of Tennessee; Henri D Grissino-Mayer, University of Tennessee, *Low-Frequency Climate Drivers of Wildfire Activity, Magdalena Mountains, New Mexico, U.S.A.*.
3:20 Jacob Bendix*, Syracuse University; Michael G. Commons, Syracuse University, *Geographic Variability of Riparian Wildfire in California*.
3:40 J Jesse Minor*, University of Arizona, *Post-Fire Ecological Trajectories in a Reburned Madrean Sky Island*.
4:00 Taylor A Christian*, Texas State University, *A Study of Beaver Pond Morphology and Site Characteristics After Disturbance in Eastern Glacier National Park, Montana*.

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3601. Assessing Anthropogenic Impacts on Water Resources (Sponsored by Water Resources Specialty Group)

Room: Room 1, TCC, First Floor (Paper Session)

ORGANIZER(S): Joseph Zume, Shippensburg University
CHAIR(S): Wilbert Karigomba, North West Arkansas Community College

4:40 Christiana Ndidi Emuh*, University of Ibadan; Christiana Ndidi Emuh, University of Ibadan, *Geogenic Contamination of Groundwater Resources in Oyo State of Nigeria*.

5:00 Gina Bloodworth*, Salisbury University, *Small-scale water management and the ditches of Delmarva*.

5:20 Cyril Wilson*, University of Wisconsin- Eau Claire, *Modeling Land-Cover Land-Use Change and its drivers: Implications for ground water quality in the Lower Chippewa River watershed, Wisconsin*.

5:40 Andrew Day*, University of Louisville, *Assessing the Impact of Land Cover and Storm Activity on the Basic Water Quality of Urban Streams in Louisville, Kentucky*.

6:00 Wilbert Karigomba*, North West Arkansas Community College, *Sustainable Watershed Management: A strategic Approach*.

3603. Grassroots environmental governance: Community engagements with industrial development (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Leah S Horowitz, Hawai'i Pacific University
CHAIR(S): Leah S Horowitz, Hawai'i Pacific University

4:40 Patrick Bond*, University of KwaZulu-Natal, *The collision of community and capital in Africa's armpit: South Durban's contested port/petrochem complex*.

5:00 Tom Perreault*, Syracuse University, *Governing from the ground up? Translocal networks and the politics of environmental suffering in Bolivia*.

5:20 Eleanor Andrews*, Cornell Development Sociology; James McCarthy, Clark University, *Micropolitics in the Marcellus Shale*.

5:40 Leah S Horowitz*, Hawai'i Pacific University, *Contested legitimacies: Grassroots engagements with multinational mining in New Caledonia*.

Discussant(s): Jeffrey Bury, University of California, Santa Cruz

3604. Passport Geographies (Sponsored by Population Specialty Group)

Room: Room 4, TCC, First Floor (Paper Session)

ORGANIZER(S): Pablo Mateos; Adam Dennett, University College London

CHAIR(S): Fernando Riosmena, University of Colorado at Boulder

4:40 Maarten P Vink, Maastricht University; Rainer Bauböck, European University Institute; Costica Dumbrava*, Maastricht University, *Exploring Citizenship Configurations: A Comparative Analysis of Citizenship Policies in Europe*.

5:00 Jackal Tanelorn, MA*, Florida International University, *Middle Class Mexican Mobility and Immobility at the US Visa Office*.

5:20 Pablo Mateos*, CIESAS, Mexico / University College London, UK; Helen McCarthy, University College London, *Passport to move? Mobility in Euro-Latin American multiple citizens*.

5:40 Ilil Benjamin*, Cornell University, *"Say You're From Sudan, Not Chad": On Desirable Nationalities and Credibility in the Israeli Asylum System*.

6:00 Adam Dennett*, University College London; Pablo Mateos, CIESAS, Mexico / University College London, *Quantifying the effects of visa restrictions on global migration flows*.

3605. CAT (Cities After Transition) session: urban geographies of post-communist states (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Michael Gentile, University of Helsinki
CHAIR(S): Szymon Marcinczak, University of Lodz

Introducer: Michael Gentile

4:45 Ludek Sykora*, Charles University in Prague; Obdrej Mulicek, Masaryk University, Brno, *(De)Centralizing Post-socialist Metropolis: From Compact Mono-centric Cities to Sprawling Poly-centric City Regions?*.

5:05 Szymon Marcinczak*, University of Lodz, *New-build gentrification in the post-socialist city: Łódź two decades after socialism*.

5:25 Martin Ourednicek*, Charles University in Prague; Lucie Pospisilova*, Charles University in Prague; Petra Spackova*, Charles University in Prague, *Long-term changes of socio-spatial differentiation within the Prague Urban Region 1921-2011*.

5:45 Szymon Marcinczak, Umeå University; Michael Gentile*, University of Helsinki, *3D segregation in different economic systems - an empirical analysis of vertical 'socio-altitudinal' differentiation in Vienna, Budapest and Bucharest*.

Discussant(s): Nathaniel Trumbull, University of Connecticut

3606. Hazards, Risks, and Disasters S.G. Session: Social Vulnerability and Adaptive Capacity (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Philip L. Chaney, Auburn University

CHAIR(S): Christopher Emrich, University of South Carolina

4:40 Kris Agbor Ashu Tabi*, University of the Western Cape, *Coping with Weather in Cape Town: Use, Adaptation & Challenges in an Informal Settlement..*

5:00 Johanna Wandel*, University of Waterloo, *Cross-case comparative assessment of vulnerability and climate change adaptation in the insular Caribbean*.

5:20 Sunhui Sim, PhD, University of North Alabama; Gabrielle E. Jenkins*, University of North Alabama, *Population Evacuation: Assessing Biophysical Risk and Social Vulnerability to Floods*.

5:40 Doracie B Zoleta-Nantes*, Philippine Geographical Society, *The Philippine Government's breakdown in providing social protection and disaster governance during the wrath of Typhoon Haiyan*.

6:00 Christopher Todd Emrich, Ph.D.*, University of South Carolina, *Improving the Validity of Social Vulnerability Indicators*.

3607. FQG: Gendering Capital, Gendering Crisis: New Research in Feminist Economic Geography II (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Kate Derickson, University of Minnesota

CHAIR(S): Marion Werner, University at Buffalo, SUNY

4:40 Brenda Parker*, University of Illinois At Chicago, *Life's Work in Chicago: Gender, Crisis and Household Provisioning*.

5:00 Caitlin Henry*, University of Toronto, *Reproducing Social Reproductive Labor: Managing Shortage and Surplus in the Nursing Workforce*.

5:20 Renata Blumberg*, University of Minnesota, *Gendering 'Internal' Devaluation: The Everyday Geographies of Food in Post-Crisis Latvia*.

5:40 Kendra Strauss*, University of Cambridge; Michelle Buckley, University of Toronto Scarborough, *Producing and reproducing the city*.

Discussant(s): Linda McDowell, University of Oxford

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3608. Urban Resources and Management

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Russell M. Smith, Winston-Salem State University

4:40 José Prada-Trigo*, Technical University of Machala, Ecuador, *Local strategies in order to achieve the objectives of «Buen Vivir» program. Some approaches to the role of local actors in three small Ecuadorian cities.*

5:00 Olof Stjernström*, Umea University; Svante Karlsson, Umea University; Örjan Pettersson, Umea University, *The local sovereignty and national sector interests - the case of local spatial planning and sectorial forest planning in Sweden.*

5:20 Russell M. Smith, Ph.D.*, Winston-Salem State University, *Exploring the Green Rating for Integrated Habitat Assessment (GRIHA) in India: 'What gets measured, get managed'.*

5:40 Almokhtar Attwairi*, University of Kansas, *Urbanization and Population growth of Tripoli City, Libya.*

Oak Ridge National Laboratory; Jacob McKee, Oak Ridge National Laboratory, *LandScan HD: Status and Direction.*

5:00 Jacob McKee*, Oak Ridge National Lab; Eddie Bright, Oak Ridge National Laboratory; Anil Cheriyaad, Oak Ridge National Laboratory; Jeanette Weaver, Oak Ridge National Laboratory, *Increasing the Spatial Accuracy of a Fine Resolution Population Dataset through the Classification of High Resolution Imagery.*

5:20 Jeanette Weaver*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Jessica Moehl, Oak Ridge National Laboratory; Linda Sylvester, Oak Ridge National Laboratory, *Updating LandScan Global Population Distribution Dataset for Crisis Events.*

5:40 Eric Weber*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Jessica Moehl, Oak Ridge National Laboratory, *Dasymetric Modeling of Extraordinary Population Distributions.*

6:00 Amy N. Rose*, Oak Ridge National Laboratory; Nicholas Nagle, PhD, The University of Tennessee; Oak Ridge National Laboratory, *Increasing the Demographic Resolution of Large Area Population Distribution Data.*

3609. Authors Meets Critics Book Discussion: The People, Place, and Space Reader

Room: Room 9, TCC, First Floor (Panel Session)

ORGANIZER(S): Hannah Jaicks, The CUNY Graduate Center; Gregory Donovan, Saint Peter's University

CHAIR(S): Caitlin Cahill, Pratt Institute

Introducer: Desiree Fields

Discussant(s): Peter Hopkins, Newcastle University, UK; Ju Hui Judy Han, University of Toronto; Diana Ojeda, Clark University

Panelists: Cindi Katz, CUNY Graduate Center; Setha Low; Jen Jack Giesekeing, Bowdoin College

3610. The Economy of Cities V

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): John R Miron, University of Toronto; Ying Ge

CHAIR(S): John R Miron, University of Toronto

4:40 Revel Sims*, UCLA Department of Urban Planning, *More than Gentrification: Geographies of Capitalist Displacement in Los Angeles.*

5:00 Silvia Lorenzo*, Hunter College; Hongmian Gong, Hunter College, *Spatial Analysis of the Financial Crisis: A Study of Financial Clusters in the New York Metropolitan Area.*

5:20 Brendan E Gordon*, University of Idaho, *Spatial Shifting of Per-Capita GDP Levels in the European Union.*

5:40 Adejoh E Ogbe*, University of Northern Iowa; Bingqing Liang, University of Northern Iowa, *A Spatial Analysis of Foreclosure and Neighborhood Characteristics In Miami Metropolitan Area, Florida.*

Discussant(s): John R Miron, University of Toronto

3614. Navigating an Academic Career: Opportunities and Challenges for Geographers (Sponsored by Jobs and Careers, Stand-Alone Geographers Affinity Group, Community College Affinity Group)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers

CHAIR(S): Janice Monk, University of Arizona

Discussant(s): Katrinka Somdahl-Sands, Rowan University

Panelists: Deanna McCay, Syracuse University Press; Paul Frederic, University of Maine; Budhendra Bhaduri, Oak Ridge National Laboratory; Kerry Lyste, Everett Community College

3615. "Author Meets the Critics" Keys to the City by Michael Storper (Sponsored by Economic Geography Specialty Group)

Room: Room 15, TCC, First Floor (Panel Session)

ORGANIZER(S): Yuko Aoyama, Clark University

CHAIR(S): Yuko Aoyama, Clark University

Panelists: Edward Malecki, Ohio State University; Amy k Glasmeier, Massachusetts Institute of Technology; Yuko Aoyama, Clark University; Susan Christopherson, Cornell University; Michael Storper, London School of Economics

3616. Landscapes & Indigenous Peoples III: People in Place (Sponsored by Landscape Specialty Group, Indigenous Peoples Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Andrew Walz, The University of Mary Washington

4:40 Rita A. Asgeirsson, (Yup'ik Eskimo)*, Western Washington University, *The Political Geography of Federally Recognized Tribal Land: An Exploration of Indian Country in Alaska.*

5:00 Jeffrey A. Gritzner*, The University of Montana, *Closing the Gap: The Reconciliation of Indigenous and Popular Culture.*

5:20 Richard D Quodamine, MA, AAG, CAG, FRCGS*, NYS DOT; Rebekah R Ingram, MA, MA, *A Lexical Analysis of Native American-related Place Names and Geography of New York State.*

5:40 Michael Strong*, University of Maryland, *Defining Place Attachment in Sub-Saharan Africa.*

6:00 Andrew Walz, Undergraduate Student*, The University of

3611. Rethinking Production

Room: Room 11, TCC, First Floor (Panel Session)

ORGANIZER(S): Harriet Hawkins; Laura Price, Royal Holloway

CHAIR(S): Harriet Hawkins

Panelists: Alasdair Pinkerton, Royal Holloway, University of London; Chris Gibson, University of Wollongong; Dydia DeLyser, Louisiana State University; Nicola J Thomas; Wendy Larner, University of Bristol

3612. The LandScan Population Distribution Project: Current State of the Art

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Amy Rose, Oak Ridge National Laboratory

CHAIR(S): Eddie Bright, Oak Ridge National Laboratory

4:40 Eddie Bright*, Oak Ridge National Laboratory; Eric Weber, Oak Ridge National Laboratory; Jeanette Weaver,

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Mary Washington, *They're Happy To Be Here Too: Positioning Hosts in the Samoan Tourism Landscape.*

3617. Teaching Ethnic Geography in the 21st Century (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Room 17, TCC, First Floor (Panel Session)
 ORGANIZER(S): Lawrence Estaville, Texas State University
 CHAIR(S): Lawrence Estaville, Texas State University
 Introducer: Lawrence Estaville
 Panelists: Kanika Verma, Texas State University; Graciela Sandoval; John Frazier, Binghamton University; Jay Newberry; Edris Montalvo, Cameron University; Carlos Teixeira, University of British Columbia Okanagan

3618. Energy and Environment Specialty Group Annual Plenary Lecture: "The Ocean Grab: Extractive Capital in the Deep Blue Sea." Dr. Anna Zalik (Sponsored by Energy and Environment Specialty Group)

Room: Room 18, TCC, First Floor (Panel Session)
 ORGANIZER(S): Elvin Delgado, Central Washington University
 CHAIR(S): Elvin Delgado, Central Washington University
 Introducer: Elvin Delgado
 Panelists: Anna Zalik, York University

3619. Urban Geography Plenary Lecture: Ayona Datta, "The Intimate City: Violence, Gender, and the 'Descent Into The Ordinary' in Delhi" (Sponsored by Urban Geography Specialty Group)

Room: Room 19, TCC, First Floor (Paper Session)
 ORGANIZER(S): Robert W. Lake, Rutgers University; Kevin Ward, University of Manchester
 CHAIR(S): Robert W. Lake, Rutgers University
 Introducer: Kevin Ward
 Introducer: Robert W. Lake
 5:00 Ayona Datta, PhD*, University of Leeds, *The Intimate City: Violence, gender, and the 'descent into the ordinary' in Delhi.*
 Discussant(s): Asher Ghertner, Rutgers University; Rupal Oza, Hunter College, CUNY

3620. Symposium on Synergistic Advances of CyberGIS and Geography: Research Frontiers across CyberGIS and Geography (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Michael F. Goodchild, University of California - Santa Barbara
 CHAIR(S): Eric Shook, Kent State University
 4:40 Jianzhong LIU*, Department of Urban Planning and Design, The University of Hong Kong; Weifeng LI, Department of Urban Planning and Design, The University of Hong Kong, *An investigation into spatial structure of urban function using geo-tagged microblogs.*
 5:00 Hao Hu*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign; Tao Lin, University of Illinois at Urbana-Champaign, *Quantifying spatial uncertainty: A case study on bioenergy facility location problem.*
 5:20 Colin Robertson*, Wilfrid Laurier University; Rob Feick*, University of Waterloo, *Nothing to look at here folks - move along: Hotspots and deserts in Flickr cityscapes..*
 5:40 Dilip R Patlolla*, ORNL; Harini Sridharan, ORNL; Anil M Cheriyadat, ORNL; Vincent C Paquit, ORNL, *A Scalable Computational Framework for Large-Scale Critical Infrastructure Mapping Using Satellite Imagery.*

6:00 Mary J. Roderick, Ph.D. Candidate*, University of Washington; Timothy L. Nyerges, Ph.D., University of Washington, *Structured Participation Toolkit: An Enabler for High-Performance Collaboration.*

3621. Mediating governance: Water technology in the 21st century (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Room 21, TCC, First Floor (Paper Session)
 ORGANIZER(S): Heather Lee Brown, Texas A&M University; Emily L Vandewalle, Texas A&M University
 CHAIR(S): Heather Lee Brown, Texas A&M University
 4:40 Everisto Mapedza, Dr*, International Water Management Institute, *Reconfiguring the state-society relationship through the efficient 'floppy irrigation' interventions in the Limpopo Province of South Africa.*
 5:00 Heather Lee Brown*, Texas A&M University, *The water "soft path" to governing scarcity: A case study of Guanajuato, Mexico.*
 5:20 Jean Philippe Venot, Dr.*, Institut de Recherche pour le Développement; Margreet Zwarteeven, Dr., University of Delft; Marcel Kuper, Dr., CIRAD, *Straw Technology: Understanding the Myth of Drip Irrigation.*
 5:40 Emily L Vandewalle, BS, MS Student*, Texas A&M University, *From Emergency to Fix: Point-of-Use Water Filtration Technology in Colonias along the US-Mexico Border.*
 6:00 Jamie McEvoy*, Montana State University, *Deviating from the mainstream? The discourse and practice of desalination and environmental governance in coastal northwestern Mexico.*

3622. Social, Economic and Environmental Issues in Rural China II (Sponsored by China Specialty Group, Asian Geography Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)
 ORGANIZER(S): Wei Xu, University of Lethbridge; Gregory Veeck, Western Michigan University
 CHAIR(S): Wei Xu, University of Lethbridge
 4:40 Li Yu*, University of Lethbridge; Wei Xu, University of Lethbridge; Jiexia Dong, Fujian Normal University, *Return behavior and livelihood at origins of return migrants in China: the story behind.*
 5:00 Guo Chen*, Michigan State University, *Social and environmental injustice in the context of rural-urban interface in China.*
 5:20 Han Li*, University of Utah, *Analyzing Land Expansion in the Chinese Urban Administrative System.*
 5:40 Hui Qian*, Nanjing University; Cecilia Wong, Professor, The University of Manchester, *Planning for rural transformation in rapidly urbanised Chinese regions: the case of Jiangsu Province.*
 Introducer: Wei Xu

3623. Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Room 23, TCC, First Floor (Paper Session)
 ORGANIZER(S): Yongwan Chun, The University of Texas at Dallas; Daniel A Griffith, University of Texas - Dallas
 CHAIR(S): Daniel A Griffith, University of Texas - Dallas
 Introducer: Daniel A Griffith
 4:50 Helen Couclelis*, University of California, Santa Barbara, *Ignorance in the Age of Information: Prediction and Uncertainty When the Numbers Just Aren't There.*

3624. Author Meets Critics: Merje Kuus' 'Geopolitics and Expertise: Knowledge and Authority in European Diplomacy' (Sponsored by Political Geography Specialty Group, European Specialty Group)

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Room: Room 24, TCC, First Floor (Panel Session)
ORGANIZER(S): Veit Bachmann, Goethe-University Frankfurt
CHAIR(S): Veit Bachmann, Goethe-University Frankfurt
Introducer: Veit Bachmann
Discussant(s): Merje Kuus, University Of British Columbia
Panelists: Jason Dittmer, University College London; Sallie A Marston, University of Arizona; Anne-Laure Amilhat Szary, Université Joseph Fourier; Alexander Murphy, University of Oregon

3626. IJURR lecture 2014: Urban poverty, space and sociability - a contribution from Brazilian cities (Sponsored by Wiley)

Room: Ballroom A, TCC, First Floor (Panel Session)
ORGANIZER(S): Julie-Anne Boudreau, INRS-Montreal
CHAIR(S): Julie-Anne Boudreau, INRS-Montreal
Panelists: Eduardo Marques, CEM/University of São Paulo
 There is a general agreement on the relevance of networks and space for poverty situations, although there is considerable dispute on the prominence of each element. This lecture discusses the relationships between space, sociability, and poverty, departing from research results on the networks of poor individuals in two major Brazilian metropolises - Salvador and São Paulo. Certain types of networks and sociability are systematically associated with better life conditions, employment, and income. These mechanisms explain a great part of the heterogeneity of networks, as well as mediate the individual's access to opportunities and everyday assistance. They therefore contribute decisively to the production (and reproduction) of urban poverty.

3628. A Tribute to Roger Tomlinson (1933 – 2014)

Room: Ballroom D, TCC, First Floor
Sponsors: Cartography and Geographic Information Society (CaGIS); University Consortium for Geographic Information Science (UCGIS)
Opening Remarks: Douglas Richardson, AAG Executive Director
Speakers: Eric Anderson, Executive Director, CaGIS
 Timothy Nyerges, Past President, UCGIS

Comments and tributes by the attendees.

A native of Cambridge, England, Roger F. Tomlinson is credited for coining the term geographic information system (GIS). He created one of the first computerized geographic information system in the 1960s, while working for the Canadian government. He settled in Canada after military service and obtaining his university degrees. Tomlinson has had a distinguished career as a pioneer in GIS. For 12 years, he was chairman of the International Geographical Union GIS Commission. He was also president of the Canadian Association of Geographers and received the prestigious Alexander Graham Bell Medal by the National Geographic Society. Most recently, he was awarded the Order of Canada by the Governor General for "changing the face of geography as a discipline." Tomlinson was also the author of *Thinking About GIS: Geographic Information System Planning for Managers*, one of the most widely read books on the subject. Please come celebrate Tomlinson's life and share your comments and memories of him with other friends and colleagues.

3630. Climate justice: interrogating an emergent discourse (2) (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Climate Change, Ethics, Justice, and Human Rights Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Gareth Edwards, Department of Geography and Sustainable Development, University of St Andrews; Sara Fuller, Macquarie University
CHAIR(S): Gareth Edwards, Department of Geography and Sustainable Development, University of St Andrews
4:40 Sara Fuller*, Macquarie University, *Mapping the energy-climate-justice nexus: theory, discourse and activism.*

5:00 Patricia E Perkins, PhD*, York University, *Community-Based Political Engagement, Redistribution, and Climate Justice.*

5:20 Autumn Thoyre*, UNC-Chapel Hill, *Home climate change activism, gender, and climate justice.*

5:40 Robert Wilson*, Syracuse University, *Notions of Justice within the U.S. Climate Movement.*

Discussant(s): Diana Liverman, University of Arizona

3631. Walkability and Bikeability

Room: Room 31, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Chris Gist, University of Virginia
4:40 Nicholas Gilroy*, Salem State University, *An Analysis of Cycling Infrastructure and Cycling Activity in the City of Salem, Massachusetts.*
5:00 Md Moniruzzaman*, McMaster University; Antonio Paez, McMaster University, *A model-based method to select sites for walkability audit using spatial scan statistics.*
5:20 Yunwoo Nam*, University of Nebraska-Lincoln, *Active and healthy community: Physical environment and Social elements.*
5:40 Calvin P Tribby*, The Ohio State University; Harvey J Miller, The Ohio State University, *Assessing Built Environment Walkability within Individual Activity Spaces.*
6:00 Chris Gist, MS, GISP*, University of Virginia, *Redesigning the Charlottesville Bicycle Map by User Confidence.*

3632. Understanding Neighborhood Change III: Panel Discussion on 'neighborhood' as a unit of analysis

Room: Room 32, TCC, Fourth Floor (Panel Session)
ORGANIZER(S): Christopher S. Fowler, Pennsylvania State University; Audrey Lumley-Sapanski, Penn State University
CHAIR(S): Audrey Lumley-Sapanski, Penn State University
Panelists: Christopher S. Fowler, Pennsylvania State University; Karen Owen, University of Richmond; Aparna Parikh, Pennsylvania State University; Jonnell A. Robinson, Syracuse University

3633. Vanishing Bees in Social Space: The Politics of Apiary Knowledge

Room: Room 33, TCC, Fourth Floor (Panel Session)
ORGANIZER(S): Jennie Durant, U.C. Berkeley
CHAIR(S): Jennie Durant, U.C. Berkeley
Panelists: Jake Kosek; Sarah Watson; Chloe Silverman, Drexel University; Sainath Suryanarayanan, University of Wisconsin-Madison; Jennie Durant, U.C. Berkeley

3634. Sustainability Topics: Wood Forrests, and Urban Green Spaces

Room: Room 34, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Nadeem Hashem
4:40 Tom Johnstad*, Gjøevik University College; Per Kristian Alnes, Eastern Norway Research Institute, *Sustainability, innovation and the wood house industry.*
5:00 John Harris*, University of Oklahoma; Benjamin Ofori, PhD, Center for Institutions and Access Policy, Columbus OH, *A typology of urban informality.*
5:20 Constance L. Mcdermott, PhD*, University of Oxford, *Trading up or selling out? Governing the EU's Forest Footprint.*
5:40 William R Burnside, Ph.D.*, National Socio-environmental Synthesis Center, *Toward a functional ecology of livelihood diversity.*
6:00 Nadeem Hashem, Dr.*, Environmental Studies Center, Qatar University, *Assessing Spatial Equality of Urban Greenery Using Remote Sensing and GIS: A Case Study from Qatar.*

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- 3635. Historical geographies of and around the American South (Sponsored by Study of the American South Specialty Group, The American South, Historical Geography Specialty Group)**
Room: Room 35, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill
 CHAIR(S): LeeAnn Lands, Kennesaw State University
4:40 Jacob R Wolff, Undergraduate Student*, University of Pittsburgh at Johnstown, *Lewistown, Pennsylvania and Progressive Community Growth: A Case Study on Underground Railroad Activity in Border State Communities from 1800 to 1863*.
5:00 Glen Conner*, Western Kentucky University, *Finding One's Place During the War of 1812*.
5:20 Jessey Gilley, Doctoral Candidate*, Department of Geography, University of Kansas, *The Great Lakes-to-Florida Highway: Imagining and Contesting Road Space in 1920s West Virginia and Virginia*.
5:40 LeeAnn Lands, Ph.D.*, Kennesaw State University, *Lobbying for the Poor in the 1970s Deep South*.
 Panelists: Anne Chin, University of Colorado Denver; Weihua Xu, Chinese Academy of Sciences; Stephen Crook; Steven Allison, SDSU
- 3640. Professional and intellectual triage for emerging and early career scholars (a subconference resource session) (Sponsored by Jobs and Careers)**
Room: Room 30B, TCC, Fourth Floor (Panel Session)
 ORGANIZER(S): Christian Anderson, University of Washington at Bothell
 CHAIR(S): Christian Anderson, University of Washington at Bothell
 Discussant(s): Salvatore Engel-DiMauro, SUNY New Paltz
 Panelists: Carolina Sarmiento; David w Hugill, YORK UNIVERSITY; Ebru Ustundag, Brock University; Anna Feigenbaum
- 3652. Environment and Planning A Forum: After Neoliberalism? The Kilburn Manifesto (Sponsored by Racism and Violence)**
Room: Grand Salon A, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Eric S. Sheppard, UCLA
 CHAIR(S): Eric S. Sheppard, UCLA
4:40 Doreen Massey*, The Open University, *After neoliberalism? The Kilburn Manifesto*.
 Discussant(s): Victoria Lawson, University of Washington; Katherine Gibson, University of Western Sydney
 The Kilburn Manifesto is a project initiated by Stuart Hall, Doreen Massey and Michael Rustin to engage political debate in the UK. It consists of a Framing Statement (After neoliberalism?) followed by a series of instalments on particular issues. It can all be found at <http://lwbooks.co.uk/journals/soundings/manifesto>. This talk will introduce the project, explain the approach we have adopted, and pull out some of the main themes that are emerging.
- 3636. Geographies of/from Cuba: Navigating Change & Resilience (Sponsored by Political Geography Specialty Group, Latin America Specialty Group)**
Room: Room 36, TCC, Fourth Floor (Panel Session)
 ORGANIZER(S): T. Garrett Graddy, American University School of International Service
 Discussant(s): T. Garrett Graddy, American University School of International Service
 Panelists: Joseph Scarpaci, WEST LIBERTY UNIVERSITY; Sarah A Blue; Heike C. Alberts, University of Wisconsin-Oshkosh; Cynthia Pope, Central Connecticut State University
- 3637. Exploring Food Cultures and Food Systems through the Lenses of Identity and Place (Sponsored by Ethnic Geography Specialty Group)**
Room: Room 37, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Michael Chrobok, York University; Nancy Huynh, York University
 CHAIR(S): Lucia Lo, York University
4:40 Michael Chrobok*, York University, *Rethinking Food Access in Spaces of Diversity: Lessons from Humbermede, Toronto*.
5:00 Gloria Howerton, MA*, University of Georgia, *Coding of Place, Racialization, and Social Barriers to Food Access in Neighborhood Grocery Stores*.
5:20 Nancy Huynh*, York University, *Eating versus Selling Authenticity: Negotiating Toronto's Vietnamese Culinary Landscape*.
5:40 Liam Riley*, University of Western Ontario; Belinda Dodson, University of Western Ontario, *Food consumption and the production of urban identities in Malawi*.
6:00 Carolyn F Thompson*, The New School / Southern Connecticut State University, *Art, food and gentrification: how consumption spaces are re-writing new meanings of place in Waterloo*.
- 3655. Geopolitics otherwise: considering the production of knowledge (Sponsored by Political Geography Specialty Group)**
Room: Grand Salon D, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Lindsay Naylor
 CHAIR(S): Lindsay Naylor
4:40 Vincent Del Casino*, University of Arizona, *Urban geopolitics and the spectacle of tourism*.
5:00 Meredith J DeBoom*, University of Colorado at Boulder, *The View from Namibia: (Geo)politics of Knowledge in the "New Scramble for Africa"*.
5:20 Lindsay Naylor*, University of Oregon, *Autonomy as an agricultural act: the material practice of resistance and autonomy without borders in the highlands of Chiapas, Mexico*.
5:40 Patricia M Dunne*, University of Georgia, Department of Anthropology, *Participation in Knowledge / Knowledge in Participation: Climate Change, Conservation, & the Politics of Translation in the Peruvian Amazon*.
 Discussant(s): Sara Koopman, Balsillie School, Wilfrid Laurier University
- 3639. Evaluating Payments for Ecosystem Services: Evidence from a Chinese nature reserve –III (Sponsored by Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Room 39, TCC, Fourth Floor (Panel Session)
 ORGANIZER(S): Li An, San Diego State University; Weihua Xu, Chinese Academy of Sciences
 CHAIR(S): Li An, San Diego State University
 Introducer: Li An
 Discussant(s): Michael F. Goodchild, University of California - Santa Barbara
- 3663. Understanding Resilience (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: Florida Salon II, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Josh Newell, University of Michigan; Sara Meerow, University of Michigan
 CHAIR(S): Sara Meerow, University of Michigan
4:40 Mikael S-O Jonasson*, Halmstad University, *Sustainable resilience - a conceptual understanding of change and resistance in organizations*.
5:00 Njoroge Gathongo*, University of Tennessee; Njoroge I Gathongo, University of Tennessee, *A comparative analysis of Jora and Makwasinyi villages using a social-ecological systems approach*.

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5:20 Audrey Maass*, Louisiana State University; Audrey Maass, Graduate Student, Louisiana State University, *The Making of an Inherently Resilient Community: How Drilling for Oil and Oystermen First Collided.*

5:40 Ronald C. Estoque, PhD*, University of Tsukuba, Japan; Yuji Murayama, PhD., University of Tsukuba, Japan, *A Geospatial Approach for Assessing Social-Ecological Status: A Case Study of the Philippines.*

Introducer: Sara Meerow

3665. Perspectives on Rural Sustainability: Scale and Place IV - Landscape Change (Sponsored by Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Scale and Sustainability, Landscape Specialty Group)

Room: Florida Salon IV, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Chris Laingen, Eastern Illinois University; Lisa Butler Harrington, Kansas State University
CHAIR(S): Darrell Napton, South Dakota State University
Panelists: Darrell Napton, South Dakota State University; William Wyckoff, Montana State University; Alison M Gill, Simon Fraser University; Deborah Popper, College of Staten Island; Roger Auch, United States Geological Survey

3668. Geographies of Media 8: Author Meets Critics: Geographies of Urban Sound (2014, Ashgate) by Torsten Wissmann (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Joseph Palis, North Carolina State University; Stefan Zimmermann, Institute of Geography
CHAIR(S): Joseph Palis, North Carolina State University
Discussant(s): John Finn, Christopher Newport University; Torsten Wissmann, Institute of Geography, University Mainz
Panelists: Thomas Bell, Univ of TN/Western KY Univ; Ola Johansson, University of Pittsburgh at Johnstown; Sara Keough, Saginaw Valley State University

3669. Memorials in the Making: Planning, Designing and Contesting Commemorative Places (Sponsored by Landscape Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Karen Franck, New Jersey Institute of Technology; Kenneth E. Foote, University of Connecticut
CHAIR(S): Karen Franck, New Jersey Institute of Technology
Introducer: Karen Franck
4:45 Quentin Stevens*, RMIT University, *National Memorials, Urban Planning, and Democratic Representation.*
5:05 Karen Franck*, New Jersey Institute of Technology, *Memorial Brief, Memorial Design: An Examination of Intentions and Outcomes.*
5:25 Roger Aden*, Ohio University, *"The Thing That is to be Built": The President's House Installation as a Hybrid Place of Memory.*
Discussant(s): Kenneth E. Foote, University of Connecticut

3670. Teaching the History of Geography: Review and Prospect (Sponsored by History of Geography Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Innes M. Keighren, Royal Holloway, University of London
CHAIR(S): Innes M. Keighren, Royal Holloway, University of London
Introducer: Innes M. Keighren
Panelists: Franklin Ginn, University of Edinburgh; Scott Kirsch, University of North Carolina at Chapel Hill; Jorn Seemann, Louisiana State University; Jeremy Crampton, University of Kentucky; Laura Cameron, Queens University; Audrey L. Kobayashi, Queen's

University

3671. Spatial Epidemiology III: Accessibility (Sponsored by Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group, Transportation Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Eric Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University
CHAIR(S): Tijs Neutens, Ghent University
4:40 Pedram Gharani, The University of Iowa; Kathleen Stewart*, University of Iowa; Ginny Ryan, The University of Iowa, *Measuring Spatial Accessibility for In-vitro Fertility Care in Iowa.*
5:00 Tijs Neutens*, Ghent University; Bart Dewulf, Ghent University; Yves Deweerdt, Vlaams Instituut voor Technologisch Onderzoek; Nico Van de Weghe, Ghent University, *Accessibility to primary care physicians in Belgium: an assessment of policies awarding financial assistance in shortage areas.*
5:20 Coline C Dony, MS*, Department of Geography, University of North Carolina at Charlotte, Charlotte, NC; Eric M Delmelle, PhD, Department of Geography, University of North Carolina at Charlotte, Charlotte, NC; Elizabeth Delmelle, PhD, Department of Geography, University of North Carolina at Charlotte, Charlotte, NC, *Spatial accessibility to public parks in Mecklenburg County, NC: comparison by travel mode.*
5:40 Michael J Widener, PhD*, University of Cincinnati; Zac Ginsberg, MD, MPP, Maryland Shock-Trauma Center; Samuel M. Galvagno Jr., D.O., Ph.D., M.S., Maryland Shock-Trauma Center; Daniel Schleith, M.S., University of Cincinnati, *Exploring the Role of Geography in Helicopter Emergency Medical Services.*
6:00 Irene Casas*, Louisiana Tech University; Eric Delmelle, University of North Carolina, Charlotte; Elizabeth Cahill Delmelle, University of North Carolina, Charlotte, *Potential and Revealed Spatial Accessibility of Dengue Fever Patients During an Epidemic.*

3672. Economic Geography VIII - Clusters and Economic Development (Sponsored by Economic Geography Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Dieter F. Kogler, University College Dublin; David Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
CHAIR(S): Dieter F. Kogler, University College Dublin
4:40 Silvia Rita Sedita*, University of Padova; Annalisa Caloffi, University of Padova; Luciana Lazzeretti, University of Florence, *The emergence of the "donut model": a new interpretation of the evolution of cluster literature..*
5:00 Jerome Vicente, Prof*, Sciences-Po Grenoble and University of Toulouse, *In search of new policy drivers for cluster resilience and regional long run dynamics.*
5:20 Celine Vacchiani Marcuzzo*, UMR Geographie-cites, Paris / University of Reims; Fabien Paulus, University of Strasbourg, *Innovation cycles and urban trajectories: co-evolution or divergence of french urban areas since the 1960's.*
5:40 Andres Rodriguez-Pose*, London School Of Economics; Tobias Ketterer, London School of Economics, *Institutions and regional economic performance in the EU.*
Discussant(s): Bjorn Asheim, Lund University

3673. Critical Race Theory: The Current State of Research and New Possibilities (Sponsored by Racism and Violence)

Room: Meeting Room 6, Marriott, Second Floor (Panel Session)
ORGANIZER(S): Anne Bonds, University of Wisconsin, Milwaukee; Joshua Inwood, University of Tennessee

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Discussant(s): Lawrence D Berg, University of British Columbia
 Panelists: Priscilla McCutcheon, University of Connecticut; Laura Barraclough, Yale University; Anne Bonds, University of Wisconsin, Milwaukee

3674. Retail and Business Geography III (Sponsored by Business Geography Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Tony Hernandez, Ryerson University

CHAIR(S): Tony Hernandez, Ryerson University

4:40 Eric Vaz*, Ryerson University; Brian Ceh, PhD, Ryerson University, *A Spatial Analysis of the influence of urban centrality for the business landscape of Mumbai, India.*

5:00 Shuguang Wang*, Ryerson University; Tony Hernandez, Ryerson University, *Conceptualizing Ethnic Retailing.*

5:20 Lawrence Joseph, PhD*, West Marine; Michael Kubly, PhD, Arionza State University, *Modeling Retail Chain Expansion and Maturity through Wave Analysis: Theory and Application to Walmart and Target.*

5:40 Tony Hernandez*, Ryerson University; Maurice Yeates, Ryerson University, *E-Retail and the Future of the Canadian Mall.*

6:00 Emma Waight*, University of Southampton, *Purchasing Second-hand/Thrift Children's Clothes and Toys: Middle-class distinction and risk.*

3677. High Latitude Environments in a Changing Climate (Sponsored by Geographies of Climate Change, Cryosphere Specialty Group, Polar Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Vena Chu, UCLA

CHAIR(S): Vena Chu, UCLA

4:40 Gwangyong Choi*, Jeju National University; David A. Robinson, Rutgers, The State University of New Jersey, *Projections of the 21st Century Global Circumpolar Vortex.*

5:00 John Mioduszewski*, Rutgers University; Asa K Rennermalm, PhD, Rutgers University; David A Robinson, PhD, Rutgers University, *Attribution of Northern Hemisphere terrestrial snow melt onset drivers, 1979-2012.*

5:20 Kristen A Pyne*, Department of Geography, The George Washington University; Anna E Klene, Department of Geography, University of Montana; Nikolay I Shiklomanov, Department of Geography, The George Washington University, *Relation Between Snow and Winter Ground Surface Temperatures in Tundra Landscapes: Results Of Long-Term Observations in Northern Alaska.*

5:40 Dmitry A. Streletskiy*, Department of Geography, George Washington University, Washington, DC; Nikolay I. Shiklomanov, Department of Geography, George Washington University, Washington, DC; Kelsey Nyland, Department of Geography, George Washington University, Washington, DC; Frederick E. Nelson, Department of Geography, University of Delaware, Newark, DE; Anna Klene, Department of Geography, University of Montana-Missoula, Missoula, MT, *Long-Term Permafrost - Active Layer Observations on the North Slope of Alaska.*

6:00 Shengan Zhan*, University of Cincinnati; Richard Beck, University of Cincinnati; Kenneth Hinkel, University of Cincinnati; Hongxing Liu, University of Cincinnati, *A Spatio-Temporal Analysis of Thaw Lake Gyres on the Arctic Coastal Plain, Northern Alaska Using Landsat Image Time-Series.*

3678. II. Reinventing the Rural: Gender, Development and Contested Landscapes (Sponsored by Rural Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Development Geographies Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Ann Oberhauser, West Virginia University

CHAIR(S): Ann Oberhauser, West Virginia University

4:40 Maria Elisa Christie, Ph.D.*, Virginia Tech; Mossammat Shamsunnahar, Ph.D, Bangladesh Agricultural Research Institute; Md. Jahangir Alam, Mennonite Central Committee, Bangladesh, *Agriculture and pest management in Bangladesh: gendered perspectives from the house-lot garden.*

5:00 Chandrima Sen*, Rammohan College, Kolkata, India, *Gender and Agriculture in Lower Gangetic Plains, West Bengal, India.*

5:20 Jennifer L Smith, MA*, West Virginia University, *Strategies for Survival: the dynamic role of women in peri-urban households.*

5:40 Rebecca Elmhirst*, University of Brighton; Ari Darmastuti, University of Lampung, *Multi-local political ecologies: rethinking gender, livelihoods and nature in Lampung, Indonesia.*

Discussant(s): Brian King, The Pennsylvania State University

3679. The Wicked Problem of Public Participation: What is the Role of the Geoweb - Part 2 ?"

Room: Meeting Room 10, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Pamela Robinson, School of Urban and Regional Planning

CHAIR(S): Peter A Johnson, University of Waterloo

4:40 Jon Corbett*, University of British Columbia Okanagan, *Desperately seeking solutions: trying to understand the inherent wickedness of public participation in the context of the geoweb.*

5:00 Barbara Poore*, United States Geological Survey, *Hyperlocal or Hype? How do communities really make decisions?.*

5:20 Claus Rinner, Dr, Ryerson University; Michael Markieta*, Ryerson University; Kruti Desai, MSA; Marcy Burchfield, MSc, Neptis Foundation; Rian Allen, MSc, RPP, MCIP, Neptis Foundation, *Widgets for Wicked Problems: The Neptis Geoweb Tool and Datasets.*

5:40 Victoria Fast*, Ryerson University, *Building a Virtual Climate Change Adaptation Community to Promote Urban Agriculture Initiatives.*

Discussant(s): Renee Sieber, McGill University

3680. Geographies of Education 3: Pedagogical Strategies and Praxis from Geo-Capabilities to Flexible Learning (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Joseph Palis, North Carolina State University; Lisa Marshall, UNC-Chapel Hill (& NC State University); Helene DUCROS, University of North Carolina - Chapel Hill

CHAIR(S): Altha Cravey, University Of North Carolina

4:40 Jennifer Rogalsky, PhD*, SUNY - Geneseo, *Role play in stakeholder groups for local planning issues: Scholarship of teaching and learning.*

5:00 Siobhán Mcphee*, University of British Columbia; Alfredo Ferreira, University of British Columbia, *Flexible Learning, International students and Geography.*

5:20 Xi Xiang*, Nanyang Technological University, *Is there a critical period for nurturing spatial thinking? - lessons learnt from a training program for Singaporean secondary schools.*

5:40 Tine Bénéker*, Daniel van Middelkoop, *Geo-Capabilities and Dutch Geography Education.*

6:00 Rafael Diaz-Torres*, University of Puerto Rico at Humacao, *'Occupying' with art: The Rio Piedras 'cultural jamming' field work experience.*

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3681. Demography, Identity and Dynamics 3 (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Alex Singleton; Paul Longley, University College London; Seth Spielman, University of Colorado

CHAIR(S): Seth Spielman, University of Colorado

4:40 Kira K Kowalska, MEng*, UCL; Paul Longley, Professor, UCL; John Shawe-Taylor, Professor, UCL, *What Makes Police Stop? - Analysis of Spatial Attributes Correlated to Frequent Police Patrol Visits.*

5:00 Alexandros N. Alexiou, PhD Candidate*, University of Liverpool, *Establishing Dynamic Measures of Built Environment Characteristics and their Relationship to Patterns of Socio-spatial Structure.*

5:20 Guy Lansley*, UCL, *Evaluating the Utility of Geo-referenced Twitter Data as a Source of Reliable Footfall Insight.*

5:40 Sarah Williams*, MIT, *Digital Neighborhoods: Using Social Media to Expose a New Urban Economy.*

Discussant(s): Paul Longley, University College London

3682. Biogeographies of Invasive and Exotic Species (Sponsored by Biogeography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Scott Markwith, Florida Atlantic University; Dean Monette

CHAIR(S): Scott Markwith, Florida Atlantic University

4:40 Dean J Monette, PhD candidate*, Florida Atlantic University; Scott H Markwith, PhD, Florida Atlantic University; Sharon Ewe, PhD, Florida Atlantic University; Aaron Evans, PhD candidate, Florida Atlantic University, *Invasion Trajectory of *Pomacea maculata* Greater Everglades, Florida.*

5:00 Carie Pigeon*, Pennsylvania State University, *Exploring the Invasion Potential of Dyer's woad (*Isatis tinctoria*): Developing A Predictive Modeling Tool for Land Managers.*

5:20 Yuhong He*, University of Toronto Mississauga, *Temporal variation of an invasive shrub in a native old field: potential colonization advantage in terms of water use.*

5:40 Alicia E. Gray, M.Sc. Candidate*, University of North Texas; Alexandra G. Ponette-González, Ph.D., University of North Texas, *Importance and spatial distribution of two major host trees of *Phytophthora ramorum* in a coast redwood forest in Soquel, California.*

6:00 Amanda Hoffman Hall*, University of Maryland, *Assessing the role of climate on *Phytophthora cinnamomi*, a destructive forest pathogen in the northeastern United States.*

THURSDAY, APRIL 10 • 6:30 PM - 7:30 PM • 3700

AAG Past President's Address

Thinking Geographically: Globalizing Capitalism, and Beyond

Thursday, April 10, 6:30 p.m. - 7:30 p.m.

Room: *Grand Salon E, Marriott, Second Floor*

Opening Remarks: **Douglas Richardson**, AAG Executive Director

Introduction: **Julie Winkler**, AAG President, Michigan State University

Speaker: **Eric Sheppard**, AAG Past President, University of California, Los Angeles

Eric Sheppard's Past President's Address will advocate for and also define thinking geographically, as a way of being in the world that all can join, rather than policing the boundaries of a discipline called Geography.

Sheppard will also lay out the implications of thinking geographically about globalizing capitalism, such as understanding that the globally influential theories of capitalism were European in origin, grounded in European Enlightenment thinkers' encounters with the forms that emerged in eighteenth and nineteenth century northwestern Europe. Thinkers positioned beyond the European realm, such as Latin American dependency theorists or the Africans Samir Amin and Frantz Fanon, have also shaped global debate—albeit about the consequences rather than the definition of capitalism.

AAG Past President, Eric Sheppard, will also confer the *AAG Presidential Achievement Award* upon **Doreen Massey** of the Open University (UK), for her foundational contributions to feminist geography, geographical political economy, relational geography, conceptualizations of place and space, and emancipatory approaches to urban development.

THURSDAY, APRIL 10 • 7:30 PM - 8:30 PM • 3800

3804. Environmental Perception and Behavioral Geography Specialty Group Business Meeting (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)

Room: *Room 4, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3805. Disability Specialty Group Business Meeting (Sponsored by Disability Specialty Group)

Room: *Room 5, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3807. Bible Geography Specialty Group Business Meeting (Sponsored by Bible Geography Specialty Group)

Room: *Room 7, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3809. Geography of Religions and Belief Systems Specialty Group Business Meeting (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: *Room 9, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3810. Urban Geography Specialty Group Business Meeting (Sponsored by Urban Geography Specialty Group)

Room: *Room 10, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3811. Geographic Information Science and Systems Specialty Group Business Meeting (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: *Room 11, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3812. Biogeography Specialty Group Business Meeting (Sponsored by Biogeography Specialty Group)

Room: *Room 12, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3813. Military Geography Specialty Group Business Meeting (Sponsored by Military Geography Specialty Group)

Room: *Room 13, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3814. Economic Geography Specialty Group Business Meeting (Sponsored by Economic Geography Specialty Group)

Room: *Room 14, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3815. Recreation, Tourism and Sport Specialty Group Business Meeting (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: *Room 15, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3816. Indigenous Peoples Specialty Group Business Meeting (Sponsored by Indigenous Peoples Specialty Group)

Room: *Room 16, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3817. Water Resources Specialty Group Business Meeting (Sponsored by Water Resources Specialty Group)

Room: *Room 17, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3818. Russian, Central Eurasian and East European Specialty Group Business Meeting (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: *Room 18, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

3819. Geomorphology Specialty Group Business Meeting (Sponsored by Geomorphology Specialty Group)

Room: *Room 19, TCC, First Floor* (Meeting Session)
ORGANIZER(S): Program Committee

THURSDAY, APRIL 10 • 7:30 PM - 8:30 PM • 3800

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| <p>3822. Cryosphere Specialty Group Business Meeting (Sponsored by Cryosphere Specialty Group)
 <i>Room: Room 22, TCC, First Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> | <p>3840. European Specialty Group Business Meeting (Sponsored by European Specialty Group)
 <i>Room: Room 30B, TCC, Fourth Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> |
| <p>3837. Remote Sensing Specialty Group Business Meeting (Sponsored by Remote Sensing Specialty Group)
 <i>Room: Room 37, TCC, Fourth Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> | <p>3874. Latin America Specialty Group Business Meeting (Sponsored by Latin America Specialty Group)
 <i>Room: Meeting Room 7, Marriott, Second Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> |
| <p>3839. Retired Geographers Affinity Group Business Meeting (Sponsored by Retired Geographers Affinity Group)
 <i>Room: Room 39, TCC, Fourth Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> | <p>3881. Canadian Studies Specialty Group Business Meeting (Sponsored by Canadian Studies Specialty Group)
 <i>Room: Meeting Room 12, Marriott, Third Floor (Meeting Session)</i>
 ORGANIZER(S): Program Committee</p> |

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- 3910. Middle East Specialty Group Business Meeting (Sponsored by Middle East Specialty Group)**
Room: Room 10, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3911. Ethnic Geography Specialty Group Business Meeting (Sponsored by Ethnic Geography Specialty Group)**
Room: Room 11, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3913. Private / Public Affinity Group Business Meeting (Sponsored by Private/Public Affinity Group)**
Room: Room 13, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3914. Sexuality and Space Specialty Group Business Meeting (Sponsored by Sexuality and Space Specialty Group)**
Room: Room 14, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3915. Transportation Geography Specialty Group Business Meeting (Sponsored by Transportation Geography Specialty Group)**
Room: Room 15, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3917. Cultural and Political Ecology Specialty Group Business Meeting (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Room 17, TCC, First Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3937. Business Geography Specialty Group Business Meeting (Sponsored by Business Geography Specialty Group)**
Room: Room 37, TCC, Fourth Floor (Meeting Session)
 ORGANIZER(S): Program Committee
- 3981. Landscape Specialty Group Business Meeting (Sponsored by Landscape Specialty Group)**
Room: Meeting Room 12, Marriott, Third Floor (Meeting Session)
 ORGANIZER(S): Program Committee



Presenting author(s) are indicated with an asterisk ().*

For special events, please see the Special Events & Meetings Summary on p. 44-48.

AAG 2014 Mobile App
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FRIDAY, APRIL 11 • 8:00 AM - 9:40 AM • 4100

4104. Rethinking the Water-Indigeneity Nexus (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

Room: Room 4, TCC, First Floor (Paper Session)

ORGANIZER(S): Manuel Prieto, University of Arizona; Lucero Radonic, University of Arizona

CHAIR(S): Manuel Prieto, University of Arizona

8:00 Sue E Jackson, Dr*, Griffith University; Marcia Langton, Professor, University of Melbourne, *Indigenous strategies for justice in Australian water allocations: spatial differences and the limitations of 'cultural' water entitlements.*

8:20 Manuel Prieto*, University of Arizona, *The Atacameño People and Chilean Water Markets: Identity Politics and the Production of Sacred Spaces in the Atacama Desert.*

8:40 Lucero Radonic*, University of Arizona, *Along the Aqueduct and About the Courts: Indigeneity and Shifting Waterscapes in the Sonoran Desert.*

9:00 Harry Fischer*, University of Illinois at Urbana-Champaign, *Democratic politics, development, and the state: Changing governance of traditional water systems in the Indian Himalayas.*

9:20 Lindsay Usher, Ph.D.*, Old Dominion University, *Surfistas Indigenas: Claiming Surf Space through Indigenous Identity.*

4105. Geospatial Visualization and Analysis

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joshua Uzoma Ogbonna, Abia State University

8:00 Hyowon Ban*, California State University, Long Beach, *Representing areal extents of uncertain undersea features.*

8:20 Jessica Salo*, University of Northern Colorado; David Theobald, PhD, Conservation Science Partners, *Mapping Riparian Zones in the Southern Rockies Ecoregion: A Multi-scale, Hierarchical Process Model.*

8:40 Ian T. Schmidt, MS Geography*, San Diego State University; Douglas A. Stow, PhD, San Diego State University; John F. O'Leary, PhD, San Diego State University, *Use of Ultra-High Resolution Aerial Imagery in the Estimation of Wildfire Fuel Loads Across Chaparral Shrublands.*

9:00 Joshua Uzoma Ogbonna*, Abia State University; Joshua Uzoma Ogbonna, Dr., Abia State University, Uturu, *Examining the Role of Geospatial Attributes on Gully Erosion Modelling using the Geographical Information Systems.*

9:20 S. Carter Christopher, PhD*, George Mason University; Timothy F. Leslie, PhD, George Mason University, *Spatial Interaction Regression: Estimating Migration Pull Factors Using Distance Decay.*

4106. Disease Distribution: Prediction and Control

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joseph Messina, Michigan State University

8:00 Ruiyun Li*, Beijing Normal University, *Spatiotemporal and genetic footprint of the global H5N1 avian influenza virus.*

8:20 Chieh-Ting Tsai*, National Taiwan University, *The role of transnational mobility in the local spread of mosquito-borne disease: Measuring the determinants of spatial-temporal lags of imported dengue cases initiating indigenous epidemics in Taiwan.*

8:40 Julia Metelka*, Wilfrid Laurier University; Colin Robertson, Wilfrid Laurier University, *Japanese Encephalitis: Predicting Future Incidence in Asia.*

9:00 Reginald Archer, PhD*, University of Miami, *Geospatial*

information for modeling the potential species distribution of mosquitoes in Northern Haiti..

9:20 Joseph Messina*, Michigan State University, *Tsetse Management through Agricultural Development in Kenya.*

4107. Business Geography - Social Media (Sponsored by Business Geography Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Linda A. Peters, Esri

CHAIR(S): Linda A. Peters, Esri

8:00 Caglar Koylu*, *Spatial and temporal patterns of topics on Twitter during social movements.*

8:20 Xining Yang*, The Ohio State University; Daniel Z. Sui, The Ohio State University, *The Convergence of Social Media and Food Environment: New Implications and Opportunities for a "Food Geography 2.0"..*

8:40 Haydn Lawrence, MA, MSc Candidate*, Wilfrid Laurier University; Colin Robertson, PhD, Wilfrid Laurier University, *Integrated spatial analysis of user-generated geographic content.*

9:00 Hartwig Hochmair*, Univ of Florida; Sreten Cvetojevic, University of Florida, *Identification of Travel Patterns from Tweets.*

4108. Sports Geography (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Thomas Mueller, California University of Pennsylvania

CHAIR(S): Thomas Mueller, California University of Pennsylvania

8:00 Kyle Snyder*, California University of Pennsylvania; Ezra Zeitler, PhD, University of Wisconsin-Eau Claire; Thomas R Mueller, Ph.D., GISP, California University of Pennsylvania, *The use of Baseball and GIS in Explaining the 5 themes of geography.*

8:20 Christopher W. Schreiber*, California University of Pennsylvania; Jamie Melzer, California University of Pennsylvania; Elizabeth Smith, California University of Pennsylvania; Matthew Riddle, California University of Pennsylvania; Ryan Lingo, California University of Pennsylvania; Jason Dohoda, California University of Pennsylvania, *A Geodemographic Analysis of Ticket Holders: Reflections of Students' Experiences.*

8:40 Steven P. Ericson*, University of Alabama, *Using Athletics to Promote Sense of Community and Place Attachment: A Case Study of Georgia State University.*

9:00 Christopher Storm*, Oklahoma State University, *Major/Minor League Attendance and Weather.*

9:20 Thomas Mueller*, California University of Pennsylvania, *A Spatial Statistical Analysis of Two Basketball Seasons: A Boston Celtics Example.*

4109. FQG: Queer of Colour Geographies (Part 1 of 2) (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): John Paul Catungal, University of Toronto; May Farralles, Geography, University of British Columbia

CHAIR(S): May Farralles, Geography, University of British Columbia

8:00 John Paul Catungal*, *"I believe us being there, it was a good thing": a queer-of-colour analysis of the therapeutic spatialities of ethno-specific AIDS service organizations.*

8:20 Krystal N Ghisyawan*, University of the West Indies, *Mapping Queer Geography in Trinidad and Tobago.*

8:40 Christina N Bazzaroni, M.A., PhD Candidate*, Florida

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International University, *Behind Closed Doors: Sex, Race, and Performance in the New York City Erotic Underground.*

- 9:00** Mylene Tanghal De Guzman*, Department of Geography, University of the Philippines - Diliman, *Locating the Filipina Lesbian: Navigating Spaces of Exclusion in Metro Manila, Philippines.*

4110. Issues in Ethnic Geography: Health Research (Sponsored by Ethnic Geography Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)
ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte; Heike C. Alberts, University of Wisconsin-Oshkosh

CHAIR(S): Michele Vitale, Wilfrid Laurier University

- 8:00** Peng Jia*, Louisiana State University, *Racial/ethnic disparities in travel patterns for care seeking in Florida.*

- 8:20** Paola Chavez-Payan*, MA Student, University of Texas at El Paso; Sara E. Grineski, Ph.D. Associate Professor of Sociology; Timothy Collins, Ph.D. Associate Professor of Geography, *Low Birth Weight, Prenatal Smoking, Breastfeeding and Pest Exposure Modify the Effect of Acculturation on Hispanic Children's Asthma.*

- 8:40** John J. Chin, Ph.D.*, Hunter College/CUNY, Department of Urban Affairs and Planning; Lois M. Takahashi, Ph.D., Dominican University of California; Anna J. Kim, Ph.D., Georgia Institute of Technology; Karin E. Tobin, Ph.D., Johns Hopkins University; Jury Candelario, Asian Pacific AIDS Intervention Team; Melanie Dulfo, MSW, APICHA Community Health Center; Fronthy Nguyen, MS, APICHA Community Health Center; Mary Rocco, MUP, University of Pennsylvania; Stacy To, MPH, Asian Pacific AIDS Intervention Team; Mayon Yen, MPH, Asian Pacific AIDS Intervention Team, *Geographies of Asian Immigrant Female Sex Work in Los Angeles and New York City: A Study of the Impact of the Regulatory Environment.*

- 9:00** Alexander Balcazar*, University of Texas at El Paso; Sara Grineski, PhD, University of Texas at El Paso; Timothy Collins, PhD, University of Texas at El Paso, *The Roles of Immigrant Generational Status and Citizenship in Children's Healthcare Access: Considering the Fourth Generation.*

- 9:20** Michele Vitale*, Wilfrid Laurier University, *Exploring Weight-related Behaviors Among Immigrants in Canada.*

4111. J. Warren Nystrom Award Session 1

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Thad Wasklewicz, East Carolina University

- 8:00** Michael D. Webb*, University of North Carolina at Chapel Hill, *Strategic Geographic Targeting, Urban Revitalization, and Neighborhood Change.*

- 8:20** Monica Stephens, PhD*, Humboldt State University, *Gender and the GeoWeb: Divisions in the Production of User-Generated Cartographic Information.*

- 8:40** Martha Bell*, Pennsylvania State University, *Historical Political Ecology of Water: Municipal Water Governance in Colonial Lima, Peru (1578-1700).*

- 9:00** Ryan D Bergstrom, Ph.D.*, Gustavus Adolphus College, *Change, Control, and Sustainability in the Greater Yellowstone Ecosystem.*

Discussant(s): Julie A. Silva, University of Maryland, College Park; Thad Wasklewicz, East Carolina University; Kevin Ward, University of Manchester

4112. Online GIS and Mapping Tools: Advances in Technology and Challenges of Putting the Power of GIS into the Hands of Non-Geographers (Sponsored by Geographic Information

Science and Systems Specialty Group)

Room: Room 12, TCC, First Floor (Panel Session)

ORGANIZER(S): Sean Finnegan, American Academy of Family Physicians

CHAIR(S): Sean Finnegan, American Academy of Family Physicians

Panelists: Sterling Quinn, The Pennsylvania State University; Sean Finnegan, American Academy of Family Physicians; Paul J. Doherty, Esri

4113. Eurasia's Environmental, Economic, and Geopolitical Transformations: Part IV Interglacial Environments / Radioactive Transformations (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Nathaniel Trumbull, University of Connecticut; Jeremy Tasch, Towson University

CHAIR(S): Nathaniel Trumbull, University of Connecticut

- 8:00** Hongxing Liu*, University of Cincinnati; Bo Yang, University of Cincinnati; Song Shu, University of Cincinnati; Kenneth Hinkel, University of Cincinnati; Richard Beck, University of Cincinnati, *Mapping thermokarst lakes in the Arctic Coastal Plain of Alaska during the 1960s and 1970s.*

- 8:20** Galina Yamskikh*, Siberian Federal University, *Change of Climate and Vegetation in the Todzh Depression (Mountain Belt in Southern Siberia) During the Holocene.*

- 8:40** Rosibel S. Roman*, Florida International University, *Investigating Social and Environmental Vulnerabilities in Relation to Radioactive Contamination in Chelyabinsk Oblast, Russia.*

- 9:00** Silva Meybatyan*, University of the District of Columbia, *Case study of Nuclear and Industrial Disasters: Chernobyl & Fukushima-Daiichi: Consequences and Lessons Learned.*

4114. Authors Meet the Critics: "Contesting the Arctic" by Steinberg, Tasch, & Gerhardt (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group, Polar Geography Specialty Group)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Scott Stephenson, UCLA; Kelsey Nyland, George Washington University

CHAIR(S): Timothy Heleniak, University of Maryland

Panelists: Barret Weber; Joshua Barkan, University of Georgia; Heather Nicol, Trent University; Philip Steinberg, Florida State University; Jeremy Tasch, Towson University; Hannes Gerhardt, University of West Georgia

4115. Coastal Response to Sea Level Changes I (Sponsored by Geographies of Climate Change, Coastal and Marine Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Keqi Zhang; Thomas Allen, East Carolina University

CHAIR(S): Keqi Zhang

- 8:00** Evan D Cook*, Florida International University; Keqi Zhang, PhD, Florida International University, *Barrier Island Response to Sea Level Rise in North Carolina.*

- 8:20** Hua Liu*, Old Dominion University; Joshua G Behr, Old Dominion University; Rafael Diaz, Old Dominion University, *Assessing neighborhood vulnerability to sea level rise in Hampton Roads, Virginia, USA.*

- 8:40** Thomas Allen*, East Carolina University, *Marsh Condition and Shoreline Change Dynamics in the Albemarle-Pamlico Estuarine System.*

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- 9:00** Shixiong Hu*, Dept. of Geography, East Stroudsburg University of PA, *Study the potential impacts of sea level rise on coastal ecosystem using LiDAR Data.*
- 9:20** Keqi Zhang*, Florida International University, *Changes in Effects of Mangroves on Reducing Storm Surge with Sea Level Rise.*
- 4116. Geographies of Making/ Making Geographies 1: Materialities**
Room: Room 16, TCC, First Floor (Paper Session)
 ORGANIZER(S): Harriet Hawkins; Laura Price, Royal Holloway
 CHAIR(S): Harriet Hawkins
- 8:00** Dydia DeLyser*, Louisiana State University, *Re-lighting: craft, materiality, and embodiment in large neon-sign restoration.*
- 8:20** Gwen Macgregor, masters candidate*, U of T, *Land/Art/ Landscape: the representation of the land through the artistic process.*
- 8:40** Laura Price*, Royal Holloway; Laura Elizabeth Price, Royal Holloway, *Knitted Geographies: material, craft, creativity and place.*
- 9:00** Chantel Carr*, Australian Centre for Cultural Environmental Research; Chris Gibson, University of Wollongong, *The Sustainment of Things.*
- 4117. Food and Community Geography (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: Room 17, TCC, First Floor (Paper Session)
 ORGANIZER(S): Daniel Block, Chicago State University; Timothy Hawthorne, Georgia State University; Jonnell A. Robinson, Syracuse University
 CHAIR(S): Amanda Rees, Columbus State University
- 8:00** Daniel Block*, Chicago State University, *Food Focus and (Over) Focus: Food Access Mapping, Student Research, and Community Geography on Chicago's South Side and Beyond.*
- 8:20** Kristin Reynolds, Ph.D.*, The New School, *Beyond the Kale: Urban Agriculture and Social Justice Activism in New York City.*
- 8:40** Amber Boll*, Georgia State University; Timothy Hawthorne, Georgia State University, *Community Geography and Qualitative GIS Approaches to Examining Food Accessibility.*
- 9:00** Jonnell A. Robinson*, Syracuse University, *Community Food Access Maps: A People's Geography Approach.*
- 4118. Hydroclimatology I (Sponsored by Climate Specialty Group, Water Resources Specialty Group)**
Room: Room 18, TCC, First Floor (Paper Session)
 ORGANIZER(S): Trenton Ford, Texas A&M University; Christopher Labosier, Texas A&M University; Shanshui Yuan
 CHAIR(S): Trenton Ford, Texas A&M University
- 8:00** Paul E Todhunter, Ph.D.*, University of North Dakota; Emily Knish, University of North Dakota, *The Relationship between Lake-Level Change and Synoptic Weather-Type Frequency at Devils Lake, North Dakota: Fits and Misfits.*
- 8:20** Christopher Labosier*, Texas A&M University, *Spatial relationships between southeastern USA hydroclimate and wildfire activity.*
- 8:40** Adam Burnett*, Colgate University, *The Impact of Air Flow Over Multiple Great Lakes on Lake-Effect Snowfall in Syracuse, NY.*
- 9:00** William M Baldwin*, Mississippi State University; Jamie L. Dyer, PhD, Mississippi State University, *Quantifying precipitation using cloud-to-ground lightning in the southeast US.*
- 9:20** Paul R. Larson, PhD*, Southern Utah University; C. Frederick Lohrengel II, PhD, Southern Utah University, *Potential Excess Precipitation (PEP) Value, an Additional Descriptor for Arid/Semiarid Climates.*
- 4119. Distinguished Historical Geographer Plenary Lecture: Why We Must Make Maps - Historical Geography as a Visual Craft (Sponsored by Historical Geography Specialty Group)**
Room: Room 19, TCC, First Floor (Panel Session)
 ORGANIZER(S): Robert Wilson, Syracuse University
 CHAIR(S): Robert Wilson, Syracuse University
 Introducer: Garth Myers
 Panelists: Anne K Knowles, Middlebury College
- 4121. Environmental Realities and Human Perceptions across Scale (Sponsored by Scale and Sustainability)**
Room: Room 21, TCC, First Floor (Paper Session)
 ORGANIZER(S): Scale and Sustainability
 CHAIR(S): James Proctor, Lewis and Clark College
- 8:00** Jennie Lee Durant, M.F.A., PhD Student*, U.C. Berkeley, *Sweet Nuts, Bitter Honey: Impacts of Scale and Power in the Almond and Commercial Beekeeping Industries.*
- 8:20** Christine Grossutti, MES*, Department of Geography, Queen's University, *Sustainable Development, Power and Scale in UNESCO's Frontenac Arch Biosphere Reserves.*
- 8:40** Johanne Sanschagrín*, University Saint-Paul, *Is it oil or is it tar? Extraction, sustainability and ethical dilemmas for Alberta and for Canada..*
- 9:00** James Proctor*, Lewis and Clark College, *Self-Sufficiency vs. Interdependence: Insular and Cosmopolitan Scales of Sustainability.*
- 4122. Cognition, Behavior, and Representation - I (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: Room 22, TCC, First Floor (Paper Session)
 ORGANIZER(S): Anthony Robinson, Pennsylvania State University; Robert Roth, UW-Madison
 CHAIR(S): Sara Irina Fabrikant, University of Zurich
- 8:00** Thomas J Pingel, Ph.D.*, Northern Illinois University; Victor R Schinazi, Ph.D., ETH Zurich, *The Cognition of Scale in Human Search Problems and Wayfinding Strategy.*
- 8:20** Naeema Alhosani*, United Arab Emirates University (UAEU); Abdelgadir Abuelgasim, United Arab Emirates University (UAEU), *Investigation on the variability of Graphic Variables of Tourism Symbols in Tourist Maps in the United Arab Emirates (UAE).*
- 8:40** Ying Zhang*, University of Oklahoma; Atsushi Nara, University of Oklahoma; May Yuan, University of Oklahoma, *Modeling and simulating complex driving behaviors and urban traffic phenomena.*
- 9:00** Jascha Gruebel*, ETH Zürich; Victor R Schinazi, Ph.D., ETH Zürich; Tyler Thrash, Ph.D., ETH Zürich; Christoph Hölscher, Ph.D., ETH Zürich, *Understanding the Relationship between Human Interface Devices and Spatial Abilities in Virtual Environments.*
- 9:20** James D Eynard*, temp.
- 4123. Reflections on the Detroit Geographical Expedition and Institute: A Conversation with Gwendolyn Warren, Co-Director (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Room 23, TCC, First Floor (Panel Session)
 ORGANIZER(S): Cindi Katz, CUNY Graduate Center; Amanda Matles, CUNY Graduate Center
 CHAIR(S): Trevor Barnes, University Of British Columbia
 Panelists: Richard Heyman, University of Texas at Austin; Cindi Katz, CUNY Graduate Center; Caitlin Cahill, Pratt Institute; Gwendolyn Warren

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- 4124. Political Ecology and Tourism: Concepts, Constructs and Practices I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group)**
- Room:* Room 24, TCC, First Floor (Paper Session)
 ORGANIZER(S): Sanjay Nepal, University of Waterloo; Jarkko Saarinen, University of Oulu
 CHAIR(S): Jarkko Saarinen, University of Oulu
8:00 Sanjay Nepal*, University of Waterloo, *Political Ecology and Tourism: Concepts and Constructs*.
8:20 Thomas F Thornton, PhD*, University of Oxford; Paphaphit Wanasuk, MSc, University of Oxford, *Indigenous Social Enterprise and Sustainable Livelihoods in Tourism in Southeast Alaska: A Political-Ecological Perspective*.
8:40 Adam Keul*, University of Connecticut, *Social Class and the Politics of Our Beach*.
9:00 Thomas P. Karrow, PhD Candidate, MES, BES, BEd*, University of Waterloo, *The Political Ecology of the Recreational Flats Fishing Tourism Industry, in the Bahamas*.
9:20 Megan Holroyd*, University of Kansas, *Mount Kilimanjaro Tourism: The Dominant, Emerging and Excluded Landscapes of Moshi*.
- 4126. Geographies of Comics and Graphic Novels I (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**
- Room:* Ballroom A, TCC, First Floor (Paper Session)
 ORGANIZER(S): Courtney Donovan, San Francisco State University; Kacy McKinney
 CHAIR(S): Courtney Donovan, San Francisco State University
8:00 Daniel A Griffith*, University of Texas - Dallas, *Cartoons Supporting the Teaching of Geographic Concepts*.
8:20 Grant Kleeman, PhD*, Macquarie University, *More Than Just A Laugh: Pedagogies For The Effective Use Of Cartoons in Geography*.
8:40 Kacy McKinney, PhD*, Middlebury College, *Space and Place in the Graphic Novel: Pedagogical Practices and Lessons*.
9:00 Jeffrey P Wilson*, University of Arizona, *Geography and Sacco's Palestine: A Case for the Graphic Narrative*.
- 4130. Meaningful Contact: Generating social change from encounters with difference**
- Room:* Room 30A, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Lucy Mayblin, University of Sheffield; Lucy Jackson, University of Sheffield; Kasia Narkowicz
 CHAIR(S): Kasia Narkowicz
8:00 Lucy Mayblin*, University of Sheffield; Lucy Jackson, University of Sheffield; Gill Valentine, University of Sheffield, *Beyond fleeting encounters: Making contact across difference meaningful*.
8:20 Kye Askins*, Northumbria University, *Being Together: encounters, emotions and the everyday geographies of befriending*.
8:40 Laura-Jane E Nolan*, University of Glasgow; Laura-Jane E Nolan, University of Glasgow, *Throwing Together Community Politics*.
9:00 Derek Ruez*, University of Kentucky, *Sexual Racisms, Immigrant Incorporation, and Intimate Spaces of Encounter in Sydney, Australia*.
9:20 Helga Leitner*, University of California, Los Angeles; Valerie Preston, Professor, York University, *Institutional mediations of encounters - celebrating diversity or reinforcing difference?*.
- 4131. Difference, Space, and the Uneven Geographies of Health (Sponsored by Geographic Perspectives on Women Specialty Group)**

- Room:* Room 31, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa
 CHAIR(S): James Dixon, University of North Carolina-Charlotte
8:00 Stephanie E. Coen*, Queen's University; Mark W. Rosenberg, Queen's University, *Gender differences in physical activity in Canada: Do scale and activity type matter?*.
8:20 Thomas Burgoine, PhD*, UKCRC Centre for Diet and Activity Research (CEDAR), University of Cambridge; Pablo Monsivais, PhD, MPH, UKCRC Centre for Diet and Activity Research (CEDAR), University of Cambridge, *Does the association between neighbourhood fast-food exposure, diet and bodyweight, differ by sex, income and education?*.
8:40 Debs Ghosh*, University of Connecticut; Heather Smith Pease, University of Connecticut, Extension, *Picture my (un)healthy community: A youth photovoice project at three geographic scales*.
9:00 David Berrigan, PhD, MPH*, National Cancer Institute; Gail Meakins, MUP, MA, University of Utah, Department of City and Metropolitan Planning, College of Architecture and Planning; Shima Hamidi, MA, University of Utah, Department of City and Metropolitan Planning, College of Architecture and Planning; Zaria Tatalovich, PhD, National Cancer Institute; Reid Ewing, PhD, University of Utah, Department of City and Metropolitan Planning, College of Architecture and Planning, *Urban Sprawl in the United States: Changes in Sprawl Over a Decade, a Revised Sprawl Index, Data Availability, and Associations of Sprawl with Obesity*.
9:20 James Dixon*, University of North Carolina-Charlotte, *Exploring the Latino Healthcare Service Provision in an Emerging Gateway State: An Urban-rural Place Comparative Analysis*.
- 4132. Digital Geographies, Geographies of Digitalia: Interventions into Digital Thought and Practice**
- Room:* Room 32, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jen Jack Gieseking, Bowdoin College; Luke Bergmann, University of Washington
 CHAIR(S): Jessica Lingel, Microsoft Research
8:00 Ryan Burns*, University of Washington, *Rethinking knowledge politics through digital humanitarianism*.
8:20 Daniel G. Cockayne*, University of Kentucky, *Rematerializing Weightless Commodity Production: Digital Media Production in San Francisco*.
8:40 Jen Jack Gieseking*, Bowdoin College, *The Qualitative Life of Big Data: What In/Visibilized Lesbian-Queer Life Can Offer the Geoweb*.
9:00 Rebecca Sandover, Dr*, University Of Exeter; Stephen Hinchliffe, Prof, University of Exeter; Sam Kinsley, Dr, University of Exeter; Clive Sabel, Prof, University of Bristol, *Porosity, virality and the digital study of contagion*.
9:20 Daniel Greene*, University of Maryland, College Park, *"Virtual Fixes: The Production of Digital Spaces and the Contradictions of Contemporary Capitalism"*.
- 4133. Labor, Poverty, and Development**
- Room:* Room 33, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Eunice Amisshah, University of Cape Coast, Ghana
8:00 Péter Bagoly-Simó, Prof. Dr.*, Humboldt-Universität zu Berlin, *Tracing Sustainability: ESD Implementation into Lower Secondary Education in International Comparison*.
8:20 Anke Uhlenwinkel*, University of Giessen, *Considering The Capabilities Of Poverty As A Topic To Promote Geocapabilities - The German Example*.
8:40 Mohd Al-Kuwari*, Qatar University, *Heritage and*

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sustainable development- A case study of Al-Karaana in Qatar.

9:00 Eunice Amisshah*, University of Cape Coast, Ghana, *Perception of service quality in Ghanaian hotels.*

9:20 Nishan P Sakalasooriya, University of Kelaniya, Sri Lanka; Pat Farrell*, University of Minnesota Duluth, *"Gamai Pansalai Wewai Dagebai": Traditional Sustainable Development Model in Sri Lanka.*

4134. Deforestation and Forest in the City

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Charles Forsyth, South Dakota State University

8:00 Junmei Tang*, University of Maryland, Baltimore County; Shuwen Zhang, 2Northeast Institute of Geography and Agroecology, CAS, *Identify the Spatial Pattern of Urban Trees and the Impact on Ecological Function.*

8:20 Shujuan Li*, Utah State University; Bo Yang, Utah State University, *Spatial explicit processes of land transformation and fragmentation: Introducing a new method for assessing forest landscape change.*

8:40 Andrew Johnston, PhD*, Smithsonian Institution, *Urban forest dynamics of the District of Columbia 1984-2004.*

9:00 Haitao Wang*, Virginia Tech; Lisa Kennedy, Virginia Tech; Yang Shao, Virginia Tech, *Assessing forest cover change in western Dominican Republic using change vector analysis.*

9:20 Charles Riley Forsyth*, South Dakota State University, *A Comparison of Forest Disturbance Based on Land Ownership and Topography in the Conterminous United States, 2006-2010.*

4135. Climate Justice and Hazards Adaptation in the Caribbean: Part 1 (Sponsored by Study of the American South Specialty Group, Geographies of Climate Change, The American South, Hazards, Risks, and Disasters Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): April Karen Baptiste, Colgate University; Kevon Rhiney, University of the West Indies - Mona; Tania Lopez-Marrero, Rutgers University

CHAIR(S): April Karen Baptiste, Colgate University

Introducer: April Karen Baptiste

8:05 April Karen Baptiste*, Colgate University, *Adaptation and vulnerability to climate change among Caribbean fishers..*

8:20 Marisa Wilson, PhD (Oxon)*, University of Edinburgh, *The Political Ecology of Agri-Food Networks in Trinidad: A Systems of Provisioning Approach.*

8:40 Jeff Popke*, East Carolina University; Scott Curtis, East Carolina University; Doug Gamble, UNC-Wilmington, *Climate Justice and the Uneven Landscape of Agricultural Risk and Opportunity in Jamaica.*

9:00 Wayne Archibald, PhD, Director, Caribbean Green Technology Center, University of the Virgin Islands; Kala Fleming, PhD, Caribbean Green Technology Center, University of the Virgin Islands; Peter N. Jones, PhD, Bauu Institute, Boulder, CO; Julia K. Hogroian, Civil & Environmental Engineering Student, Massachusetts Institute of Technology; Kenisha Q. Pascal*, Psychology Student, University of the Virgin Islands; Enrico Wensing, PhD, Caribbean Green Technology Center, UVI and George Mason University, *Climate Change, Climate Justice, and Alternative Energy Perspectives in St. Thomas, U.S. Virgin Islands: The First Public Survey in the Caribbean.*

9:20 Kevon Rhiney, PhD*, University of the West Indies - Mona; Aidan Farrell, PhD., University of the West Indies - St. Augustine; Cavell Francis, University of the West Indies - Mona, *Building crop resilience to climate change in the insular Caribbean.*

4136. Southeast Asia: Economic/Development Issues (Sponsored by Asian Geography Specialty Group)

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Ralph Lenz, Wittenberg University

CHAIR(S): Ralph Lenz, Wittenberg University

8:00 Jessie P Poon*, University at Buffalo-SUNY; Jeffrey Chow, PhD, Buffalo State University, *The nature of expertise in Malaysia's Islamic finance.*

8:20 Christopher Airriess*, Ball State University, *Reimagining Place in Peri-Urban Penang, Malaysia.*

8:40 Chung-Tong Wu*, University of Western Sydney, *Mega Projects and Regional Development: the Case of Myanmar.*

9:00 Elena Givental*, California State University, East Bay; Dianne Meredith, California Maritime Academy, CSU, *Assessing Water Vulnerabilities in Vietnam.*

4137. Rethinking Topology

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Iulian Barba Lata, Wageningen University; Claudio Minca, Wageningen University

CHAIR(S): Claudio Minca, Wageningen University

8:00 Nadia Bartolini*, The Open University, *Rome's topologies: surfaces, depths and juxtapositions.*

8:20 Iulian Barba Lata*, Wageningen University; Claudio Minca, Wageningen University, *The minefields of topology.*

8:40 Alan Latham, PhD*, University College London, *The Common Sense Spatialities of Liquor Licensing: Regulating Alcohol in New Zealand and the 1989 Sale of Liquor Act.*

9:00 Deborah P Dixon*, University of Glasgow; John Paul Jones, University of Arizona, *Tactile Topologies.*

Discussant(s): Hidefumi Nishiyama

4139. Paleocological Investigations of Wildfire I (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Vanessa Stretch, University of Guelph; Emma Davis

CHAIR(S): Vanessa Stretch, University of Guelph

8:00 Olivier Blarquez*, UQAM-UQAT; Yves Bergeron, UQAM-UQAT, *Tree Biomass, paleofires and climate in Eastern North America.*

8:20 Justin M Waito, M. Sc*, University of Winnipeg; Jacques C Tardif, PhD, University of Winnipeg; France Conciatori, University of Winnipeg; Adam A Ali, PhD, Université Montpellier 2; Martin Girardin, PhD, Canadian Forest Service; Yves Bergeron, PhD, Université du Québec en Abitibi-Témiscamingue, *Fire history in the southern boreal forest of central Canada reconstructed from tree-rings and lake sediments.*

8:40 Theresa Dinh*, University of Guelph; Ze'ev Gedalof, University of Guelph; Lori Daniels, University of British Columbia, *Controls on Wildfire Dynamics in Jasper National Park, Alberta, Canada.*

9:00 Emma L. Davis*, Carleton University; Colin Mustaphi, York Institute for Tropical Ecosystems; Katrina Moser, University of Western Ontario; Michael Pisarcic, Brock University, *The influence of vegetation and climate on wildfires in Jasper National Park, Alberta, over the last 2000 years.*

9:20 Vanessa Stretch*, University of Guelph; Ze'ev Gedalof, University of Guelph; Lori Daniels, University of British Columbia; Michael Pisarcic, Brock University, *Evidence of mixed-severity fire regimes in the Foothills of the Rocky Mountains, Alberta, Canada.*

4140. Cities in the Anthropocene Epoch: Past, present, and future (Sponsored by Regional Development and Planning Specialty Group, Climate Specialty Group, Urban Geography Specialty

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- Room:** Room 30B, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Mahjabin Rahman, Auburn University; Andrew Hug, Auburn University
CHAIR(S): Chandana Mitra, Auburn University
8:00 Andrew W. Hug*, Auburn University; Chandana Mitra, Auburn University, *The Study of Urban Heat Islands in the Birmingham and Auburn-Opelika, Alabama Urban Areas, Using Satellite and Observational Techniques..*
8:20 Garrett R. Bradford*, San Francisco State University; Andrew J. Oliphant, Ph.D., San Francisco State University, *Estimating surface roughness length modification in Black Rock City, NV.*
8:40 Matthew Welshans*, Penn State University, *Correlating Urban Heat Island to Urban Sprawl in Dallas and Minneapolis.*
9:00 Mahjabin Rahman*, Auburn University; Chandana Mitra, Auburn University; Luke J Marzen, Auburn University; Yingru Li, Auburn University, *Growth of Alabama Urban Areas and Its Impact on Changing Environmental Dynamics.*
9:20 Jeong Chang Seong*, University of West Georgia, *Development of an ArcGIS Application for Solar Zenith Angle Calculation.*
- 4141. Social and Environmental Interaction, and Urban Geography**
Room: West Hall, TCC, Third Floor (Poster Session)
ORGANIZER(S): Program Committee
 Vanessa Alcantar*, Cal Poly Pomona; Vanessa Alcantar, Cal Poly Pomona, *Urban Farming Movement: The Transformation of Commercial Landscape into a Sustainable Edible Garden and its Impact on a Los Angeles County Community.*
 Matts J Michel*, Florida International University, *School Boundary Lines and Income in Miami-Dade County.*
 Rachel Jenkins*, Texas Christian University, *Florence, Italy: Rides in a Post-Modern Italian Theme Park.*
 Kevin Erb*, Saginaw Valley State University; Andrew J. Miller, Saginaw Valley State University; James Bowers, Ph.D., Saginaw Valley State University, *Variation in Seasonal Shooting Hotspots of Saginaw, Michigan.*
 Emily Gennrich*, Saginaw Valley State University; Andrew J. Miller*, Saginaw Valley State University; James Bowers, Ph.D., Saginaw Valley State University, *Geospatial Assessment of the Retaliatory Nature of Gun Violence in Saginaw, MI.*
 Yunliang Meng*, Alex Lovell, *The Youth Socio-economic Integration in Toronto.*
 Ivan Rodriguez*, Florida International University; Derrick Scott, Ph.D., Florida International University, *Diversity in New Urbanism.*
 Taylor L Jones*, TCU, *Post-Fordist Austin & Vegan Food Trucks.*
 Stephen Lopez*, Texas Christian University, *Pocket Ghetto: A Geographic Analysis of Butler Place in Fort Worth, Texas.*
 Robert Oliver*, Virginia Tech; Valerie Thomas, Department of Forestry and Environmental Conservation, Virginia Tech, *Investigating land cover change dynamics in American micropolitan areas.*
 Ryan P. McElroy*, Pennsylvania State University, *Brewerytown, Philadelphia: A Historical Urban Analysis.*
 Thomas DePriest*, University of TN at Martin; Angela Antipova, Ph.D., University of Memphis, *Changing Urban Form and Its Impact on Flash Flood Events.*
 Evan Chapman*, Miami University; Kenneth Martis, PhD, West Virginia University, *Redesigning a Crosswalk for Pedestrian Safety Using New Urbanism Techniques.*
 Eric Main*, Georgia State University; M. Bushi; K. Lohr; R. Moore; F. Roberts-Gregory; D. Harris; J. Reed; L. Edwards; T. Hawthorne, *Utilizing Community Geography to Understand Factors Affecting Accessibility of an Urban Green Space in Southwest Atlanta, GA.*
 Benjamin W Thornton*, Florida State University, *Gentrification and Urban Development in Tallahassee, Florida.*
 Jeremy Vroom*, University of Maine at Farmington, *From Controversy to Community: The relationship between street art and social media in creating community.*
 Adam Bakiera*, Adam Bakiera, *Fort Worth's West 7th Development.*
 Trent Mccann, Undergraduate Student, Furman University*, Furman University, Greenville, SC; Suresh Muthukrishnan, Professor*, Furman University, *User demographics and patterns of use of the GHS Swamp Rabbit Trail in Greenville, South Carolina.*
 Matilde A. Valdés*, Ivelisse Calderón Nieves, *Vulnerability and risks in Puerto Rico: a geographical vision between urban expansions, floodings and areas of refuge.*
 Brian D VanderJeugd*, East Carolina University, *Transportation Aspects of Smart Growth in the Research Triangle Region: Current Conditions and Future Prospects.*
 Emily Hays*, Furman University; Weston R Dripps, Associate Professor, Furman University, *Positive Pathways: Integrating community perception and utility of a public-access greenway in a low-income neighborhood to identify benefits of and barriers to trail access.*
 Rebecca Croog*, Gettysburg College; Randall K. Wilson, PhD, Gettysburg College; Michaela Sweeney*, Gettysburg College; Athena Mandros*, *Planning a Sustainable Community in Downtown Gettysburg.*
 Bryce A Gardner*, University of North Carolina at Greensboro; Selima Sultana, University of North Carolina at Greensboro, *A Geographic Assessment of Urban Land Use Planning on Households' Energy Use within Four Largest Metropolitan Areas in NC: A first look at micro scale.*
 Taeho Park*, Univ. of Seoul; Bum Seok Chun, Georgia Institute of Technology; Seoil Chang, Georgia Institute of Technology, Univ. of Seoul, *Extraction of three-dimensional city model by utilizing airborne LiDAR data for road-traffic noise mapping.*
 Rey Umali*, *Urbanization in Los Angeles 1990 - 2000 - 2010.*
 Igor Vojnovic*, Michigan State University, *The Dynamics of Travel Behavior in the Detroit Region, Michigan: The Roles of Urban Form, Class and Race.*
 Kevin Bean*, Bridgewater State University, *Intercontinental Islington.*
 John Bodenman*, Bloomsburg University, *Location and Growth of Hardwood Manufacturers in Pennsylvania, 1990-2010.*
 Ryan Weichelt*, University of Wisconsin-Eau Claire, *Mapping Changes in the Paper Industry Along the Wisconsin River.*
 Timothy LeDoux, PhD*, Westfield State University; Igor Vojnovic, PhD, Michigan State University; Bruce Wm Pigozzi, PhD, Michigan State University; Joseph Messina, PhD, Michigan State University, *Delineating Neighborhoods in Food Accessibility Studies: A Methodological Assessment.*
 John B Strait, Ph.D.*, Sam Houston State University; Ava R Fujimoto-Strait, M.A., Sam Houston State University, *The Mixed Plate: A Field Experience on the Cultural and Environmental Diversity of the Big Island of Hawaii.*
 Karen S Barton, Ph.D.*, University of Northern Colorado, *Beyond Food Deserts: Preserving the Artisanal Scale of Rural Colorado Grocers.*
 Nicholas Dowhaniuk*, Department of Natural Resources and the Environment, University of New Hampshire; Joel Hartter, PhD, Environmental Studies Program, University of Colorado; Sadie J. Ryan, PhD, Department of Environmental and Forest Biology,

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- SUNY ESF; Michael Palace, PhD, Institute for the Study of Earth, Oceans, and Space, University of New Hampshire; Russ Congalton, PhD, Department of Natural Resources and the Environment, University of New Hampshire, *Population Growth and Landscape Change: Assessing the Impact of Industrial Oil Development in an African Biodiversity Hotspot.*
- Christina Roush*, *Food Trucks and Their Contribution To The Food System of New Haven, Connecticut.*
- Morgan M Klaas*, Texas Christian University, *Food Deserts in the Dallas/Fort Worth Metroplex.*
- Cody E. Litchfield*, Clark Graduate School of Geography, Clark University; Deborah Martin, Ph.D, Clark Graduate School of Geography, Clark University; Verna DeLauer, Ph.D, George Perkins Marsh Institute, Clark University; John Rogan, Ph.D, Clark Graduate School of Geography, Clark University, *Socio-Demographic Patterns of Vegetation Cover Pre- and Post-Asian Longhorned Beetle Infestation in Worcester, MA.*
- Rachel Ralls*, The Nature Conservancy; George M. Pomeroy, Ph.D., AICP, Shippensburg University, *Patterns of Environmental Activism: The Emergence and Diffusion of Conservation Land Trusts in the United States.*
- Mingshu Wang*, Oak Ridge Institute of Science and Education; University of Georgia; Tom Purucker, National Exposure Research Laboratory, U.S. Environmental Protection Agency; Tao Hong, Oak Ridge Institute for Science and Education, *Spatially identifying potential pesticide exposures for endangered species.*
- Monica Deming*, University of Oklahoma, *Cascading relationships between climate, weather, dust, and disease in Burkina Faso.*
- Chong Peng*, University of Florida; Lili Chang, Huazhong University of Science and Technology; Zhongren Peng, University of Florida, *Towards optimizing spatial organization pattern for Town group: the case of Xinding-yuan Town Group in Central China.*
- Kent Murray*, Univ. of Michigan, *Environment Lead Exposure as a Consequence of Housing Demolition.*
- Clay A Helm*, Shippensburg University, *Investigating the Effects of Scuba Diving on Populations of Staghorn Corals (*Acropora cervicornis*) in Roatan, Honduras.*
- Saeid Delnavaz*, Sheelah Muhammad; Daniel Block, 09000166, *The Geography of Corner Stores in an Inner-City African American Chicago Neighborhood.*
- Kelsey Burchak, Undergraduate Sustainability Science Major*, Furman University; Betsy A. Beymer-Farris, Assistant Professor of Sustainability Science, Furman University, *The Politics of Defining Food Quality in the Context of Food Insecurity: An Urban Political Ecological Analysis of Food Aid Programs in Greenville, South Carolina.*
- MYUNGJE WOO*, The University of Seoul; Hye Jin Jeon, The University Of Seoul, *A Study on Measuring Urban Sprawl and Its Policy Implications for Urban Growth Management and Urban Regeneration in Seoul Capital Region.*
- C.Patrick Heidkamp, Ph.D.*, Southern Connecticut State University; Jeff Slomba, MFA*, Southern Connecticut State University, *Beyond Maps: Geospatial Data as Sculpture.*
- Dale Cowell*, Dept. of Earth and Environmental Sciences, Furman University; Brannon Andersen, Dept. of Earth and Environmental Sciences, Furman University, *The Ecological Footprint as Metric for Sustainable Agriculture.*
- Christopher D. Boland*, Florida Fish & Wildlife Research Institute; Scott Calleson, Florida Fish and Wildlife Conservation Commission, *Using Geographic Information System (GIS) spatial analysis methods*

to help evaluate use and boat collision risk for the Florida manatee.

- 4152. Vegetation Dynamics I (Sponsored by Biogeography Specialty Group)**
Room: Grand Salon A, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Adam Naito, Texas A&M University; Parveen K Chhetri, Texas A&M University
CHAIR(S): Adam Naito, Texas A&M University
8:00 Rachel E Isaacs*, The Pennsylvania State University; Alan H Taylor, Ph.D., The Pennsylvania State University, *An assessment of climate change and local site controls on spatial patterns of forest expansion at treeline in Denali NPS, AK.*
8:20 Grant Elliott*, University of Missouri; Christopher Crawford, Cryospheric Sciences Laboratory, NASA-GSFC, *Coupling remote sensing and dendroecological techniques to examine how wind-snow interactions mediate treeline advance.*
8:40 Parveen K Chhetri*, Texas A&M University; David M Cairns, Texas A&M University; Raju Bista, Tribhuvan University, *Response of Tree Recruitment to Climatic Variability in the Treeline Ecotone of the Eastern Nepal Himalaya.*
9:00 Jeremy S. Johnson*, Texas A&M University; David M. Cairns, Texas A&M University; Konstantin V. Krutovsky, University of Göttingen; Daniel W. Goldberg, Texas A&M University, *Landscape Genetics Approaches in Ecological Biogeography: A Case Study Using Douglas Fir (*Pseudotsuga menziesii*) in the Pacific North West.*
9:20 Adam T. Naito*, Texas A&M University; Richard M. Feldman, Texas A&M University; David M. Cairns, Texas A&M University, *Examining the interaction of reproductive traits and landscape characteristics on Arctic shrub expansion using simulation modeling.*
- 4154. Handling attribute data uncertainty in geographical analysis (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**
Room: Grand Salon C, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Min Sun, GMU; David W. Wong, University of Hong Kong
CHAIR(S): Min Sun, GMU
8:00 Nicholas Nagle*, University of Tennessee; Oak Ridge National Laboratory, *Small Area Survey Estimation with Incomplete or Uncertain Administrative Records.*
8:20 Min Sun*, George Mason University; David Wong, Hong Kong University, *Using spatial aggregation to reduce sampling error.*
8:40 James L Wilson*, Northern Illinois University; Christopher J Mansfield, East Carolina University, *Issues in Rezoning Mortality Statistics.*
9:00 Amy L Griffin*, UNSW Canberra; Jason Jurjevich, Portland State University; Meg Merrick, Portland State University; Seth Spielman, Colorado University at Boulder; Nicholas Nagle, University of Tennessee at Knoxville; David Folch, Colorado University at Boulder, *Which attribute uncertainty visualization techniques support decision making among urban planning students making decisions with American Community Survey data?*
9:20 Tunaggina Khan*; Kevin M. Curtin, *Evaluating The Errors Associated With Zip Code Polygon When Employed For Spatial Analyses.*
- 4155. The Geography of Urban Infrastructure I: Infrastructure, ownership, and financial markets (Sponsored by China Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)**

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- Room:** *Grand Salon D, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology; Steve Musson, University of Reading; Eric Knight
CHAIR(S): Janelle Knox-Hayes, Georgia Institute of Technology
8:00 Steve Musson*, University of Reading, *Public Infrastructure Investment in the United Kingdom: the case of NHS LIFT.*
8:20 Yu Xiao*, Department of Landscape Architecture and Urban Planning, Texas A&M University; Tao Zhou, Faculty of Construction Management and Real Estate, Chongqing University, *Financing Urban Development through Urban Infrastructure Planning in Western China: Government Behavior and the Effects on Urban Spatial Form.*
8:40 Yin Yang*, Smith School of Enterprise and the Environment, University of Oxford; Gordon L Clark, Smith School of Enterprise and the Environment, University of Oxford, *Pursuing Sustainable Urban Infrastructure Investment and Financing System for China's Urbanization - An Economic Geography Perspective on Beijing and London.*
9:00 Eric Knight*, University of Sydney Business School, *Towards a dynamic model for financial product evolution: the case of infrastructure investment.*
9:20 Christopher Kaminker*, University of Oxford; Nicholas Howarth, University of Oxford; Ben Caldecott, University of Oxford; Fiona Stewart, World Bank; Osamu Kawanishi, OECD, *Institutional Investors and Green Infrastructure Investments.*

4158. Energy Transitions I (Sponsored by Energy and Environment Specialty Group)

- Room:** *Grand Salon G, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Michael Minn, University of Illinois
CHAIR(S): Michael Minn, University of Illinois
8:00 Rolf Sternberg*, Montclair State University, *Energy Options: Bulk Energy Needs.*
8:20 Matthew Mulbrandon*, Universiteit Utrecht, *Solving urban transportation child's play? How Electric Kick Scooters can change the face of urban transportation..*
8:40 Jerry Patchell*, Social Science, HKUST, *Cities versus MNCs in climate change mitigation: comparisons, contrasts, and collaborations.*
9:00 Michael Minn*, University of Illinois, *Contested Power: A American Long-Distance Passenger Rail and the Ambiguities of Energy Intensity Analysis.*

4159. The Other as a Threat: Surveillance, Control and Segregation in Latin America 1 (Sponsored by Latin America Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:** *Grand Salon H, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Rodrigo Jose Firmino, PUCPR; Nelson Arteaga Botello, Facultad Latino Americana de Ciencias Sociales
CHAIR(S): Lucas Melgaço, Vrije Universiteit Brussel
8:00 Desiree Poets*, Aberystwyth University, *Segregation & Citizenship: A Reflection on Rio's Pacifying Police Units.*
8:20 Miguel Angel Vite Pérez*, University of Alicante; Miguel Angel Vite Pérez, University of Alicante, *The Mexican state fragmented control: the case of social protest December 1, 2012..*
8:40 Eleonora Elgueazabal, PhD*, CESAER-INRA, *The Making of Territorial Boundaries: An Ethnographic Approach of the Uses of Security and Policing in the "Gated Developments" of Buenos Aires.*
9:00 Nelson Arteaga Botello*, Facultad Latinoamericana de Ciencias Sociales, *Footage Surveillance, and space*

segregation in Mexico.

Discussant(s): Ina Castro, Universidade Federal do rio de Janeiro

4160. Sustainability and Education

- Room:** *Grand Salon I, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Lisa Butler Harrington, Kansas State University; Ben Champion, Kansas State University
CHAIR(S): Ben Champion, Kansas State University
8:00 Friedrich M. Zimmermann*, University of Graz, *Regional Centers of Expertise: Education for Sustainable Development - an International Network for Scaling Sustainability.*
8:20 David O' Byrne*, Lund University Centre for Sustainability Studies; Chad Boda, Lund University Centre of Excellence for Integration of Natural and Social Dimensions of Sustainability; Bodil Elmqvist, Lund University Centre for Sustainability Studies; Barry Ness, Lund University Centre for Sustainability Studies, *Students leading in open project space: An approach to real-world education for sustainability.*
8:40 Mark R Hafen, PhD*, Univ of South Florida, *EcoMentors: Assessing the Second Year of a College Student-High School Student Mentoring Program.*
9:00 J Anthony Abbott, PhD*, Stetson University, *Sustainability Administration at Masters and Liberal Arts Institutions.*
9:20 Ben Champion*, Kansas State University, *Institutionalizing Sustainability: Leadership in a Public Land-Grant University.*

4161. Conservation Trade-Offs in Developing Countries: Bridging Biodiversity Conservation and Development/ Placing Priorities (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

- Room:** *Grand Salon J, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Abhineety Goel, Texas A&M
CHAIR(S): Diya Paul
8:00 Dominique Cagalan*, University of Miami, *Integrated Conservation and Development: Impacts on Households in a Philippine Park.*
8:20 Erica Hann*, The Pennsylvania State University, *Valuation of Wildlife and Botswana's Hunting Ban.*
8:40 Abhineety Goel, Ph.D.*, Texas A&M, *A Trade-off for Whom? Biodiversity Offsets and Income Dynamics in India.*
9:00 Diya Paul*, Department of Geography, Rutgers University, *Subaltern Natures: Conservation Outside Protected Areas.*
Discussant(s): Robin Roth, York University

4163. Risk as Resource 1

- Room:** *Florida Salon II, Marriott, Second Floor (Paper Session)*
ORGANIZER(S): Chris Knudson, Clark University
CHAIR(S): Chris Knudson, Clark University
8:00 Chris Knudson*, Clark University, *The financialization of health care risks: A comparative study of Canada and the United States.*
8:20 Eleanor Tighe*, Peter Sunley, PhD, University of Southampton; Kanchana N. Ruwanpura, PhD., University of Edinburgh, *Manufacturing Risk in Global Garment Chains: A Case Study Analysis of the Production of Risk and Compliance.*
8:40 Harvey Neo*, National University of Singapore, *Regulating risk, capitalizing risk: unpacking the political-economic implications of food securitization policies in Asia.*
Discussant(s): Samuel Randalls

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4168. Race, Space, and Nature I (Sponsored by Racism and Violence)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Rachel Brahinsky, University of San Francisco;
Jade Sasser, Loyola Marymount University

CHAIR(S): Laura-Anne Minkoff-Zern, UC Berkeley, Department of Geography

Introducer: Rachel Brahinsky

Introducer: Jade Sasser

Introducer: Laura-Anne Minkoff-Zern

8:30 Julie Guthman*, University of California Santa Cruz, *Doing justice to bodies? Reflections on food justice, race, and biology.*

8:50 Jade Sasser*, Loyola Marymount University, *Interrogating "Population Justice" and other Framings of Race, Population, and Environment.*

9:10 Lindsey Dillon*, UC Berkeley, *Race, Waste, and Space: Urban Redevelopment and Environmental Justice in Bayview-Hunters Point.*

4169. Condo-ism I: The Production of Urban Space, Legal Structures, and Sociopolitical Relations

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Alan Walks, University Of Toronto; Setha Low

CHAIR(S): Setha Low

8:00 Andre Sorensen*, University of Toronto, *Condominium Law as Path Dependent Institution: Critical junctures, contingency, and evolutionary pathways.*

8:20 Matthew Gordon Lasner, PhD*, Hunter College, CUNY, *Community and Commodity in Co-owned Housing: The Co-op and Condo as Space of Liberation.*

8:40 Emily Mieras, Associate Professor*, Stetson University; Emily Mieras, Associate Professor, Stetson University, *Cohousing: Looking Inward and Outward to Solve the Problem of Community.*

9:00 Ute Lehrer*, York University; Peter Pantalone, York University, *Condo Boom - Bonus Doom? Negotiating Density in Condoland's Expanding Fringe.*

4170. Trees in the City I: Mapping and monitoring trees and the urban forest (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR(S): Shawn Landry, University of South Florida

8:00 Joan M. Welch*, West Chester University; Dylan Drake, West Chester University; John Polakowski, West Chester University; Kendra McMillin, West Chester University; Joy Fritschle, West Chester University, *The Campus Urban Forest: Native versus Nonnative Tree Species.*

8:20 Jim Kernan*, SUNY Geneseo, *A community partnership approach to mapping and monitoring suburban and rural forests.*

8:40 James W. N. Steenberg*, Ryerson University; Andrew A. Millward, PhD, Ryerson University, *Urban Forest Ecosystem Classification using City Neighborhoods.*

9:00 Vadim Sabetski*, Ryerson University; Andrew Millward, PhD, Ryerson University, *Virtual Daylighting: Documenting Urban Tree Root Locations Using Ground-Penetrating Radar (GPR).*

9:20 Mike Alonzo*, UCSB Geography; Joe McFadden, PhD, UC Santa Barbara, Department of Geography; Bodo Bookhagen, PhD, UC Santa Barbara, Department of Geography; Dar A Roberts, PhD, UC Santa Barbara, Department of Geography; Alex Sun, UC Santa Barbara, *Mapping urban tree leaf area index (LAI) using high point density lidar.*

4171. Development and Space at China's Frontiers I (Sponsored by China Specialty Group, Asian Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Yang Yang, University of Colorado at Boulder; Galen Murton, University of Colorado, Boulder

CHAIR(S): Galen Murton, University of Colorado, Boulder

8:00 Lauren Hansen*, *Control the South: The Spatial Logic of Suburban Development Planning in Urumqi Before and After the '7-5' Riots.*

8:20 Galen Murton*, University of Colorado, Boulder, *Roads, Goods, and Communities: Co-producing mobilities, commodities, and identities across the Tibet-Mustang borderlands.*

8:40 Sara L. Jackson*, York University, *Mongolia's Multiple Resource Frontiers: Mining Development at China's Edges.*

9:00 Max D. Woodworth*, The Ohio State University, *Informal Finance and Double Dispossession in the Mining Frontier.*

Discussant(s): Stanley Toops, Miami University

4172. Rural North America: Rural Well-Being Assessed Through Research on Rural Housing, Health, Disability, Federal Policies, and Gender Identity (Sponsored by Rural Geography Specialty Group, Population Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Nancy K. Torrieri, U.S. Bureau Of the Census

CHAIR(S): Christiane Von Reichert, University of Montana

8:00 Peter Nelson*, Middlebury College, *The new boom and bust economy: housing market volatility and migration.*

8:18 Michael Martin Evans*, Simon Fraser University; Nadine Schuurman, Simon Fraser University; Valorie Crooks, Simon Fraser University, *Refining a Decision-Support Model for Siting Palliative Care Services in Rural Canadian Communities.*

8:36 Martha Geores, Assoc. Professor*, University of Maryland, *What would happen in rural was an ethnicity and a protected class under Federal statutes?.*

8:54 LaToya Eaves*, The University of Connecticut, *Black and Queer in Rural Appalachia: Exploring Identity in Western North Carolina.*

4173. Spatial Epidemiology IV: Accessibility (Sponsored by Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group, Transportation Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Eric Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University; Elisabeth Root, University of Colorado, Boulder

CHAIR(S): Michael Widener, University of Cincinnati

8:00 Derek Marsh*, UNC-Charlotte; Coline Dony, UNC-Charlotte; Eric Delmelle, UNC-Charlotte, *Uncertainty of Travel Estimates Using Open Geographic Data Providers: Implications for Epidemiological Research.*

8:20 Elisabeth Dowling Root, PhD*, University of Colorado, Boulder; Hanna Nohynek, National Public Health Institute, Helsinki, Finland; Marilla Lucero, Research Institute for Tropical Medicine, Metro Manila, Philippines; Veronica Tallo, Research Institute for Tropical Medicine, Metro Manila, Philippines; Eric AF Simoes, Department of Pediatrics, Section of Infectious Diseases, University of Colorado, Denver, CO, USA, *Geographic distance, vaccination and disease environment: Understanding childhood pneumonia risk in the Philippines.*

8:40 Bumjoon Kang*, Urban and Regional Planning, University at Buffalo, The State University of New York; Anne Vernez Moudon, Urban Form Lab and the Department of Urban Design and Planning, University

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of Washington; Brian E. Saelens, Seattle Children's Research Institute and the Department of Pediatrics, University of Washington, *Space Similarity Model: a conceptual approach to matching health-related behaviors to activity space.*

9:00 Dylan Clark*, Iowa State University; Deepak Premkumar, Iowa State University; Robert Mazur, PhD, Iowa State University, *Geospatial Resource Access Appraisal in Hedaru, Tanzania.*

4174. Geographies of Media 9: Film Industries and Global Networks (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Joseph Palis, North Carolina State University; John Finn, Christopher Newport University
CHAIR(S): Ken Hillis, University Of North Carolina - Chapel Hill

8:00 Krzysztof Stachowiak*, Adam Mickiewicz University in Poznan, Poland, *Global shift in the film industry: Towards a global production network?.*

8:20 Jan Vang, AAU*, Aalborg University, *Emergence of Film Industries in Small Countries: On the Needs for an Integrated Cluster and Branding Strategy.*

8:40 Caroline Chapain*, Business School, University of Birmingham, UK; Krzysztof Stachowiak, Adam Mickiewicz University in Poznan, Poland, *Innovation dynamic in the London film industry: an evolutionary perspective..*

9:00 Joseph Palis*, North Carolina State University, *"Quasi-Proustian Journeys into the Interior", or The Political Economy of Film Festivals.*

4177. Putting the Sacrifice in Sacrifice Zones (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Harold Perkins, Ohio University; Alec Brownlow, DePaul University
CHAIR(S): Alec Brownlow, DePaul University

8:00 David Havlick*, University of Colorado-Colorado Springs, *Landscapes of Militarization, Redemption, and Resurrection in the U.S. and Europe.*

8:20 Harold A Perkins, PhD*, Ohio University, *A Political Economy of Sacrifice and Distraction: The Boston Marathon Bombings and Their Relation to the Fertilizer Facility Explosion in West, Texas.*

8:40 Nathan McClintock*, Portland State University, *Sustainability, sacrifice, and scale: Residential gardens in Portland, Oregon.*

9:00 Laura Pitkanen*, University of Toronto, *Dispossession and Everyday Spaces.*

9:20 Lucas O. Kirkpatrick, PhD*, University of Michigan, *Sacrificial Urbanism, Neoliberal Austerity and the Crisis of Local Democracy: The Case of Detroit.*

4178. Legal-Financial Geographies I: Mapping Geographies of Law and Finance (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Panel Session)
ORGANIZER(S): Shaina Potts, UC Berkeley Geography; Sarah Knuth, UC Berkeley
Panelists: Sarah Knuth, UC Berkeley; Christopher Niedt, Hofstra University; Christopher Muellerleile, University of Wisconsin-Madison; Shaina Potts, UC Berkeley Geography

4180. Geographies of Education 4: Pedagogical Strategies and Praxis in Geographic Education and Geo-Literacy I (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Joseph Palis, North Carolina State University; Helene DUCROS, University of North Carolina - Chapel Hill; Lisa Marshall, UNC-Chapel Hill (& NC State University)
CHAIR(S): Helene DUCROS, University of North Carolina - Chapel Hill

8:00 Matthew Patton*, Texas State University, *Examining Teachers' Attitudes & Beliefs Toward Messages Calling for New Approaches to Classroom Teaching of Geography.*

8:20 Andrea Villarroel*, Dept of Geography, University of Idaho; Karen S Humes, Dept of Geography, University of Idaho, *A New Educational Atlas for Idaho Students.*

8:40 Carlos J. Guilbe*, University of Puerto Rico; Neiset Bayouth, Rutgers University, *Geography for Life in the overseas territories; Evaluation of the 1994 National Geography Standards in Puerto Rico.*

9:00 Jeffrey Lash*, University of Houston - Clear Lake, *Mapping Geographic Literacy in Texas.*

4181. Recent developments and trends in GIS and the public

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Paddington Hodza, Wyoming Geographic Information Science Center
CHAIR(S): Paddington Hodza, Wyoming Geographic Information Science Center

8:00 Samuel Hersch*, Haverford College, *Bureaucratic Cooptation of Demographic Data: PPGIS from the Middle Out.*

8:20 Wisa Wisesjindawat Fink*, NUS, *Distant voices: Promoting local ecological knowledge to increase democratization of fisheries management on the Mekong River.*

8:40 Christopher Brehme*, Keene State College, *Mapping Lobster Fishing Patterns Using Local Knowledge.*

9:00 Bessie Schwarz*, Yale University, *Culture that Policy Can See: Value Mapping as a Political Measure of Cultural Ecosystem Services.*

9:20 Paddington Hodza*, Wyoming Geographic Information Science Center, *Appreciative GIS (AGIS) and the end of viewing the community as a problem to be solved.*

4182. Labour Geographies and Crisis I (Sponsored by Economic Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)
ORGANIZER(S): Steven Tufts, York University; David Jordhus-Lier, University of Oslo; Anders Underthun, Work Research Institute, Oslo

CHAIR(S): David Jordhus-Lier, University of Oslo
8:00 Nancy Worth*, McMaster University, *Young women at work: understanding the workplace from a generational perspective.*

8:20 Steven Tufts*, York University; Mark Thomas, York University, *The Christian Labour Association of Canada (CLAC): Between Company and Populist Unionism.*

8:40 Michael Ekers*, University of Toronto, Scarborough, *On the Persistence of Non-Waged Labour and the Agrarian Question.*

9:00 Suzanne E Mills*, McMaster University; Nathaniel Lewis, University of Nottingham, *Queering labour mobility.*

9:20 John Holmes*, Queen's University; Tod Rutherford*, Syracuse University, *The Shifting Landscape of Labour Regulation and Collective Bargaining in the Great Lakes Region.*

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4201. Geography and Social Media: Engaging lower division geography students in the virtual field (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Room 1, TCC, First Floor (Panel Session)

ORGANIZER(S): Sarah Goggin; Kalli Doubleday, University of Texas at Austin

CHAIR(S): Sarah Goggin

Panelists: Daniel M Vallerius, Pará Federal University (Brazil); Sarah Goggin; Joseph Hinton, Harold Washington College; Darren Ruddell, University of Southern California; Grady Dixon, Mississippi State University; Kristin Sorensen

4203. "Critical Artsapes / Resilient Artists" (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Jason Luger, King's College London Cities Group; Viktoria Vona, King's College London

CHAIR(S): Jason Luger, King's College London Cities Group

10:00 Sonia Y Lam*, University of Oxford, *Re-examining Political Expression in Hong Kong: Post-80s Youths and Performance Art*.

10:15 Vanessa Banta*, University of the Philippines, *Urban Clashes: Performance and Resistance in Barangay San Roque, Quezon City, Philippines*.

10:30 Christina West*, University of Mannheim, *Driving or Driven? Arts as Critique and Military Conversion Sites in Mannheim (Germany)*.

10:45 Viktoria Vona*, King's College London, *Artists' Right to the City: Resisting Gentrification in London and New York City*.

4204. Data-based living: peopling and placing 'big data'

Room: Room 4, TCC, First Floor (Paper Session)

ORGANIZER(S): Matt Finn, Durham University

CHAIR(S): Matt Finn, Durham University

10:00 Matt Finn*, Durham University, *Forging futures in a data-based school*.

10:20 Tracey P. Lauriault*, Programmable City, NIRSA; Rob Kitchin, Programmable City Project, NIRSA, NUIM, *A genealogy of data assemblages: tracing the geospatial open access and open data movements in Canada*.

10:40 Annelies Zoomers*, Utrecht University, *Beyond the land grab: what can we learn from 'big data'*.

11:00 Sam Stehle*, The Pennsylvania State University, *Scalar Analysis and Event Data Analytics: Assessing the Potential Contribution of Big Data for Feminist Geopolitics (FQG)*.

Discussant(s): Matthew W. Wilson, University of Kentucky

4205. Environmental Justice Research: Contemporary Issues and Emerging Topics I (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Timothy Collins, University of Texas - El Paso

CHAIR(S): Jayajit Chakraborty, University of South Florida

10:00 Marilyn C Montgomery, GISP*, University of South Florida; Jayajit Chakraborty, PhD, University of South Florida; Timothy W Collins, PhD, University of Texas at El Paso; Sara E Grineski, PhD, University of Texas at El Paso, *Environmental Justice Analysis of Coastal Hazards and Amenities in Miami, FL*.

10:20 Alan Smith*, Geography and Environment, University of Southampton, UK; David Martin, Geography and Environment, University of Southampton, UK; Samantha Cockings, Geography and Environment,

University of Southampton, UK, *Using spatio-temporal population modelling to assess flood risk*.

10:40 Richard Salkowe*, University of South Florida; Jayajit Chakraborty, PhD, University of South Florida, *Federal Disaster Declarations and Denials: Analyzing Spatial Inequities in the Implementation of the Stafford Act*.

11:00 Bruce C Mitchell, M.A.*, University of South Florida; Jayajit Chakraborty, Ph.D., University of South Florida, *Thermal Inequity: Social Vulnerability to Urban Heat in Three North American Cities*.

11:20 Margaret Wilder*, University of Arizona, *Climate Vulnerability, Low-Income Communities, and Environmental Justice at the U.S.-Mexico Border*.

4206. Atmospheric Interactions

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Ted Eckmann, University of Portland

CHAIR(S): Ted Eckmann, University of Portland

10:00 Ted C Eckmann, PhD*, University of Portland, *Spatiotemporal Analysis of Recent Regional and Global Climate Changes*.

10:20 Nicole D Chase*, Chrome Data Solutions; Ted C Eckmann, PhD, University of Portland, *Atmospheric Controls on the Human Health Effects of Volcanic Eruptions*.

4207. Locational Intelligence and Spatial Thinking: A Panel Discussion on the Conceptual Foundations of our Discipline (Sponsored by Jobs and Careers, Business Geography Specialty Group)

Room: Room 7, TCC, First Floor (Panel Session)

ORGANIZER(S): Murray D Rice, University of North Texas;

Tony Hernandez, Ryerson University

CHAIR(S): Tony Hernandez, Ryerson University

Panelists: Murray D Rice, University of North Texas; Brett Lucas

4208. Planning and Analyzing Trails (Sponsored by Recreation, Tourism, and Sport Specialty Group, Regional Development and Planning Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Dave Lemberg, Western Michigan University

CHAIR(S): Dave Lemberg, Western Michigan University

Introducer: Dave Lemberg

10:05 Anne Santa Maria*, Western Michigan University, *Managing Dispersed Recreation in the Allegheny National Forest*.

10:25 Mark A. Rhodes*, Kent State University, *Utilizing Spatial Video in Landscape Analysis: A Case study of the construction of 'nature' along the Ohio and Erie Canal Towpath Trail in the Cuyahoga Valley National Park*.

10:45 Lisa Karyn Dershowitz*, Miami University, *Stakeholder Perception of the Ecotourism along Trails in Israel..*

11:05 Dave Lemberg*, Western Michigan University, *Talk About No Little Recreation Plans: How Good Things Can Happen from a Conference*.

Discussant(s): Lucius Hallett, IV, Western Michigan University

4209. FQG: Queer of Colour Geographies (Part 2 of 2) (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): John Paul Catungal, University of Toronto;

May Farrales, Geography, University of British Columbia

CHAIR(S): John Paul Catungal, University of Toronto

10:00 May Farrales, PhD Candidate*, Geography, University of British Columbia, *Following desires: Geographies of queer organizing among Filipinos in Canada*.

10:20 Farhang Rouhani*, University of Mary Washington, *There's no place like diaspora: Resisting authenticity*

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and embracing queer possibilities through Iranian exilic media.

10:40 Diane Richardson*, School of Geography, Politics and Sociology, Newcastle University, UK, *Revisioning Sexual Citizenship.*

11:00 Rio Rodriguez*, University of Toronto, *Radical Queer Walking Tours as Liberatory Practice.*

4210. Issues in Ethnic Geography: Migration and Mobility (Sponsored by Ethnic Geography Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte; Heike C. Alberts, University of Wisconsin-Oshkosh

CHAIR(S): Godfrey St Bernard

10:00 XIANG ZHANG*, University of Kansas, *Diaspora of economic institutions by the proliferating flow of immigrants and the increasing level of mobility.*

10:20 Garret Maher*, Gulf University for Science and Technology, *Remittances and return: High skilled Lebanese migrants after Kuwait*.*

10:40 Yulii Kim*, Mount Holyoke College, *Beyond the Wedding Vows: Marriage Migration in Singapore and South Korea.*

11:00 Godfrey C St Bernard*, Senior Fellow, SALISES, The University of the West Indies, St. Augustine, Trinidad and Tobago, *Population Dynamics, International Migration and Urbanization: The Case of Four ACP Caribbean Countries.*

11:20 Robert Allen Manduca*, Massachusetts Institute of Technology, *Domestic Migration Networks in the United States.*

4211. J. Warren Nystrom Award Session 2

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Thad Wasklewicz, East Carolina University

10:00 Lindsey Carte*, Utah State University, *Everyday Restriction: Central American Women and the State in the Mexico-Guatemala Border City of Tapachula.*

10:20 Brittany Vandeberg, PhD*, University of Toronto, *Securing Somalia: Political Geographies of Piracy.*

10:40 Martin Swobodzinski*, University of Minnesota, *Self-centered and selfless decision making of participants in online transportation planning.*

11:00 Luke Juran*, Virginia Tech, *A framework for integrating water resources in disaster reconstruction processes.*

Discussant(s): Julie A. Silva, University of Maryland, College Park; Thad Wasklewicz, East Carolina University; Kevin Ward, University of Manchester

4212. Employment centers: location, location, location? (Sponsored by Transportation Geography Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Angela Antipova, University of Memphis

CHAIR(S): Angela Antipova, University of Memphis

10:00 Howard Tenenbaum*, Simon Fraser University, *New spaces in fewer places for U.S. retail bank branches.*

10:16 Angela Antipova*, University of Memphis, *Influence of site and labor force attributes on the location of economic activities. Case of the Memphis metropolitan area..*

10:32 Jamaal Green, MCRP*, Portland State University, *Temporary Workers and Labor Segmentation: What role do Black workers play?.*

10:48 Torsha Bhattacharya*, University of Hawaii, Manoa, *Impact of Transit System Design on Job Accessibility of Choice and Transit Dependent Riders: A Study of Atlanta Metropolitan Region's Transit Systems.*

11:04 Juliana Martins*, Bartlett School of Planning, University College London; DINÂMIA'CET-IUL, *Spaces of*

structured interaction in the digital industry: the role of events in Tech City, London.

11:20 William Terry*, Clemson University, *Solving seasonality or permanent spatial fix? Work visas and international migrant labor in Southern tourism.*

4213. Eurasia's Environmental, Economic, and Geopolitical Transformations: Part V, Economic Flows / Changing Climates (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Nathaniel Trumbull, University of Connecticut; Jeremy Tasch, Towson University

CHAIR(S): Jessica K. Graybill, Colgate University

10:00 John S. Felkner, Assistant Professor*, Florida State University, *Economic and Social Impact Evaluation of Infrastructure Improvements using GIS and a Quasi-Experimental Double-Difference Design.*

10:15 Petr Baklanov*, Pacific Geographical Institute, Far Eastern Federal University*, *Geographical and geopolitical factors of long-term development of Pacific Russia.*

10:30 Simo Leppänen*, Aalto University of Business, CEMAT; Laura Solanko, Bank of Finland; Riitta Kosonen, Prof., Aalto University of Business, CEMAT, *Fiscal impacts of climate change on Russia's regions.*

10:45 Elena Lioubimtseva*, Grand Valley State University, *Agricultural production and trade in the former USSR countries in the context of climate change scenarios.*

11:00 Craig ZumBrunnen*, University of Washington, *Russia: Complex Linkages Between Fossil Fuels and Climate Change.*

4214. Career Mentoring D (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers

CHAIR(S): Mark Revell, Association of American Geographers

10:00 Kaile Bower, U.S. Census Bureau

Discussant(s): Wei Li, Arizona State University; Paul McDaniel, Immigration Policy Center / American Immigration Council; Michael N. Solem, Association of American Geographers; Jonathan (Jon) Wessell, Ferris State University

4215. Coastal Response to Sea Level Changes II (Sponsored by Geographies of Climate Change, Coastal and Marine Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Keqi Zhang; Thomas Allen, East Carolina University

CHAIR(S): Keqi Zhang

10:00 Robyn MB Stuber*, University of North Carolina at Charlotte, *Planning at Sea Level: An analysis of social sustainability and sea level rise.*

10:20 Diane Horn*, Department of Geography, Environment and Development Studies, Birkbeck College, University of London; Michael McShane, Insurance and Financial Services Center, Department of Finance, Old Dominion University, *Flooding the market: the future of flood insurance in the UK and US.*

10:40 Peter R. Craumer*, Florida International University; Hugh Gladwin, Florida International University; Suzana Mic, Florida International University, *The sea in the 'hood: spatio-temporal modeling of water level and settlement in Miami-Dade County, Florida.*

4216. Geographies of Making/ Making Geographies 2: Spaces and Practices

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Harriet Hawkins; Laura Price, Royal Holloway

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CHAIR(S): Harriet Hawkins

10:00 George Henderson*, University Of Minnesota, *'American Primitive': John Fahey, Suburban 'Volk,' and the Making of 'Bad Ecology'.*

10:20 Alison Bain*, York University, *From "sacrifice zone" to Pearl District: a grassroots arts district in the making?.*

10:40 Chris Gibson*, University of Wollongong; Andrew Warren, University of New England, *Crafting surfboards: Gender, Bodies and emotion.*

11:00 Susan Luckman, Dr*, University of South Australia, *Craft Workers Being At Work, At Home: Representing the Place of Making and the Labour of Representation on the Etsy Shopfront.*

11:20 Jenny Sjöholm*, Uppsala university, *Making body, making space and making memory in artistic practice.*

4217. Activist Scholarship and Scholarly Activism in Food Justice (Sponsored by Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Room 17, TCC, First Floor (Panel Session)

ORGANIZER(S): Katharine Bradley; Henry Herrera, Center for Popular Research, Education and Policy

CHAIR(S): Alison H. Alkon, University of the Pacific

Panelists: Henry Herrera, Center for Popular Research, Education and Policy; Katharine Bradley; T. Garrett Graddy, American University School of International Service; Daniel Block, Chicago State University

4218. Hydroclimatology II (Sponsored by Climate Specialty Group, Water Resources Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Trenton Ford, Texas A&M University; Christopher Labosier, Texas A&M University; Shanshui Yuan

CHAIR(S): Christopher Labosier, Texas A&M University

10:00 Lei Meng*, Western Michigan University, *Does soil moisture affect temperature extremes?.*

10:20 Trenton Ford*, Texas A&M University; Steven M Quiring, Assistant Professor, Texas A&M University, *Land Surface Impact on Convective Precipitation over the Southern Great Plains.*

10:40 Darren Ficklin*, Indiana University; Sally L Letsinger, Indiana University; Justin T Maxwell, Indiana University, *From the past to the future: changes in the spatiotemporal trends of droughts in the United States.*

11:00 Roop K Saini*, University of Connecticut; Guiling Wang, University of Connecticut, *Performance of RegCM4-CLM4 in Predicting Drought and Flood over the U.S..*

11:20 Shanshui Yuan*, Texas A&M University, *Droughts over the U.S. Great Plains (1980-2012): A comparative study using different potential evapotranspiration module based PDSIs.*

4219. New Approaches for Advancing GIScience Education

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Anthony Robinson, Pennsylvania State University

CHAIR(S): Aileen R. Buckley, Esri

10:00 Anthony C Robinson, Ph.D*, Pennsylvania State University, *Teaching a Massive Open Online Course (MOOC) on Cartography.*

10:20 Greg Rybarczyk, Ph.D.*, University of Michigan-Flint, *Measuring the potential success of "clickers" in an introductory GIS course.*

10:40 Joseph P. Dymond, Assistant Professor: GWU*, The George Washington University, *An Exploration of the Learning and Skills Development Potential of Open Source Geospatial Platforms.*

11:00 Aileen R. Buckley, PhD*, Esri, *LearnGIS: A Novel, Top-down Approach to Learning about GIS.*

11:20 Patricia A. Solís, PhD*, Association of American Geographers; Astrid Nicole Ng, Association of American Geographers, *Informal Education, Social Media, and Geographic Technologies: Lessons on Scaling Up from the My Community, Our Earth, Geographic Learning for Sustainable Development Program.*

4220. Symposium on Synergistic Advances of CyberGIS and Geography: Roles of CyberGIS and Geography for Turning Big Data to Rich Data and Knowledge (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Panel Session)

ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Eric Shook, Kent State University

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

Discussant(s): Krzysztof Janowicz, University of California, Santa Barbara

Panelists: Harvey Miller, The Ohio State University; Wenwu Tang, University of North Carolina at Charlotte

4221. Environmental Realities and Human Perceptions across Scale II (Sponsored by Scale and Sustainability)

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): Scale and Sustainability

CHAIR(S): Forrest Stevens, University of Florida

10:00 Daniel Kunches*, Pennsylvania State University, *Scale and Sustainability in Yosemite National Park: An analysis of the Merced River Plan and the management of visitor use under the rubric of user capacity.*

10:20 Huili Hao*, East Carolina University; Patrick Long, East Carolina University, *Factors influencing property owners' attitudes towards three orientations of sustainability.*

10:40 Clare Gupta*, Yale University; Jooyoung Park, PhD, Yale University, *Urban Metabolism and the Politics of Scale: The Case of H Power in Honolulu, Hawai'i.*

11:00 Austin Lord*, Yale University, *Turbulence & Scale: The Lived Uncertainty of Hydropower Development in Nepal.*

11:20 Forrest R. Stevens*, University of Florida; Joel Hartter, Ph.D., University of Colorado Boulder; Lawrence Hamilton, Ph.D., University of New Hampshire; Mark Ducey, Ph.D., University of New Hampshire; Russel G. Congalton, Ph.D., University of New Hampshire, *Changing Communities and Forests of the Inland Northwest: Perceptions and Realities at Multiple Scales.*

4222. Cognition, Behavior, and Representation - II (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Anthony Robinson, Pennsylvania State University; Robert Roth, UW-Madison

CHAIR(S): Ian Muehlenhaus, University of Wisconsin - La Crosse

10:00 Robert Roth*, UW-Madison; Dolores Severtson, UW-Madison; Rashauna Mead, UW-Madison; Carl Sack, UW-Madison, *Interactivity, Privacy, and Uncertainty: Mapping Drinking Water Quality in Wisconsin.*

10:20 David Retchless, MS*, Penn State University, *How Do "Six Americas" of Sarasota Students See Sea Level Rise Uncertainty? Preliminary Results from a Survey of Map Users..*

10:40 Elizabeth K Tyrie*, Western Kentucky University; Leslie A North, PhD, Western Kentucky University, *Using*

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Eye-Tracking Techniques to Evaluate the Effectiveness of 2-D Karst Visualizations: Seeing Through the Complexities of Karst Environments.

11:00 Zbynek Sterba*, Masaryk University; Cenek Sasinka, Masaryk University; Zdenek Stachon, Masaryk University, *Empirical Evaluation of Cartographic Visualizations Using Blank Maps: A Pilot Study.*

11:20 Pontus Hennerdal*, Stockholm University, *Cognitive Aspects of the Peripheral Continuity of World Map Projections.*

4223. Legacies and Inspirations: Activist Geographies and the Detroit Geographical Expedition and Institute (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Room 23, TCC, First Floor (Panel Session)
 ORGANIZER(S): Cindi Katz, CUNY Graduate Center; Caitlin Cahill, Pratt Institute
 CHAIR(S): Cindi Katz, CUNY Graduate Center
 Discussant(s): Gwendolyn Warren
 Panelists: Caitlin Cahill, Pratt Institute; Hillary Caldwell; Deshonay Dozier, Graduate Center, CUNY; Natalie Jones, University of Texas at Austin; Amanda Matles, CUNY Graduate Center

4224. Political Ecology and Tourism: Concepts, Constructs and Practices II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group)

Room: Room 24, TCC, First Floor (Paper Session)
 ORGANIZER(S): Sanjay Nepal, University of Waterloo; Jarkko Saarinen, University of Oulu
 CHAIR(S): Sanjay Nepal, University of Waterloo
10:00 Jarkko Saarinen*, University of Oulu, Finland, *Constructing Wilderness: Political Ecologies of Utilization and Governance.*
10:20 Monkogoi Lenao*, university of Botswana; Monkogoi Lenao, University of Botswana & University of Oulu, *Community-based rural tourism development process at Lekhubu Island in Botswana.*
10:40 Justin Taillon*, Univ. of Guelph, *Challenges of Nature Tourism Certification: Sustainability, stakeholders, and community politicking.*
11:00 Amanda Mullett*, Kent State University; Alex R Colucci, Kent State University, *Ecotourism and Political Ecology in the Yucatan Peninsula: Accumulating and Dispossessioning the Maya.*
11:20 William Price*, Central Connecticut State University, *Extinct No More: Discourses on Tasmanian Aborigine Heritage.*

4226. Geographies of Comics and Graphic Novels II (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Ballroom A, TCC, First Floor (Paper Session)
 ORGANIZER(S): Courtney Donovan, San Francisco State University; Kacy McKinney
 CHAIR(S): Kacy McKinney
10:00 Ryan P Hile*, University of Utah; Toni Alexander, PhD, Auburn University, *Representing Wonder Woman: A Look at Sexualization and Empowerment in Contemporary Comics.*
10:20 Juliet J. Fall*, University of Geneva, *Autobiographical comics: Framing alternative geopolitical visions.*
10:40 Courtney Donovan*, San Francisco State University, *Geographic Representations of Trauma in Sequential Art.*

4230. Meaningful Contact: Generating social change from encounters with difference II

Room: Room 30A, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Lucy Mayblin, University of Sheffield; Lucy Jackson, University of Sheffield; Kasia Narkowicz
 CHAIR(S): Gill Valentine, University of Sheffield
10:00 Andrew Davies*, University of Liverpool, *Exile & colonial spaces of encounter.*
10:20 Tamlynn Fleetwood, Dr*, University of KwaZulu-Natal, *'Unity in Diversity'? The complexities of contact and cohesion in post-apartheid school spaces.*
10:40 Kasia Narkowicz*, University of Sheffield, *Looking towards non-secular encounters in the city of Warsaw.*
11:00 Robert Wilton*, McMaster University; Joshua Evans, PhD, Athabasca University, *"I don't want us to work for someone who thinks, 'oh, poor them'". Encountering Mental Illness in Spaces of Social Enterprise..*

4231. Cultural and Health Geographies of Women's Health and Well-Being (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa
 CHAIR(S): Mark Janko
10:00 Natalie Jolly, Ph.D.*, University of Washington, *Birthing like a girl: A cross-cultural examination of labor, delivery and femininity.*
10:20 Jennifer Icton*, University of South Florida, *Women's Bodies and Abortion: Spaces of Exception.*
10:40 Semiha Caliskan, MS*, University of South Florida; Russell Kirby, PhD, MS, University of South Florida, *A Multi Regressive Analysis of Home Births across United States Counties.*
11:00 Yan Lin*, Texas Center for Geographic Information Science, Department of Geography, Texas State University; F. Benjamin Zhan, Texas Center for Geographic Information Science, Department of Geography, Texas State University, *GIS and Health: Cervical Cancer Disparities in Texas.*
11:20 Mark Janko, MA*, UNC-Chapel Hill Department of Geography, Carolina Population Center, MEASURE Evaluation; Shelah Bloom, PhD, MEASURE Evaluation, Carolina Population Center; John Spencer, MA, MEASURE Evaluation, *Exposure to violent political conflict is associated with increased risk of Intimate Partner Violence in Rwanda.*

4232. Digital Geographies, Geographies of Digitalia: The Digital in Place

Room: Room 32, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jen Jack Giesekeing, Bowdoin College; Luke Bergmann, University of Washington
 CHAIR(S): Ryan Burns, University of Washington
10:00 Jin-Kyu Jung*, University of Washington-Bothell; Ted Hiebert*, University of Washington Bothell, *Imag(in)ing Communities: qualitative geovisualization and participatory visual arts.*
10:20 Maria Anastasaki*, Concordia University and Université du Québec à Rimouski, *Differences of Places and Access to Transnational Social Movements in Theory and in Two Cities of Québec, Canada.*
10:40 John Clary*, The University of Texas at Austin, *The Digital Geographies of Transnational Spaces: Mapping Migrant Communications Between the US and Mexico.*
11:00 Roderick Coover*, *The "What's that?" and the "What if?" Visual Research, Map Rhetoric and Creative Practices..*

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4233. Geography of Giving

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Heidi Frontani, Elon University

CHAIR(S): Heidi Frontani, Elon University

10:00 Jennifer Speights-Binet*, Samford University, *Picturing America: Norman Rockwell and Ordinary American Landscapes*.

10:20 Brent Porterfield, M.Div*, United Methodist Neighborhood Centers; Carol Gentry, United Methodist Neighborhood Centers of Memphis, Inc; Melissa Rura, PhD, United Methodist Neighborhood Centers of Memphis, Inc, *Faith Based Food Pantry Models*.

10:40 Heidi G. Frontani, Ph.D.*, Elon University, *NGOs, Media, and Medical Philanthropy in British Colonial Africa*.

11:00 Dr. Melissa J. Rura*, United Methodist Neighborhood Centers of Memphis; David Alvarez, Woolpert, *What's in a Word? Historical Mapping Terms and Their Preservation*.

Discussant(s): Brent Porterfield, United Methodist Neighborhood Centers

4234. Remote Sensing of Forests and Agriculture

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jeffrey VanLooy, University of North Dakota

10:00 Brian S Barker*, University of Maryland; Katie McGaughey, University of Maryland; Jon Nordling, University of Maryland; Michael Humber, University of Maryland; Inbal Becker-Reshef, University of Maryland; Chris Justice, University of Maryland; Michel Deshayes, Group on Earth Observations, *Development of the Monthly GEOGLAM Crop Monitor Report: System and Tools for Developing International Crop Outlooks*.

10:20 Feng Zhao*, University of Maryland, College Park; Chengquan Huang, University of Maryland, College Park; Ran Meng, University of Utah, *Separating fire, logging and other disturbances from time series Landsat data*.

10:40 Hong Wang, PhD*, Hohai University; Ruiliang Pu, PhD, University of South Florida, *Mapping Health Levels of Robinia Pseudoacaci Forests in the Yellow River Delta, China, Using IKONOS and Landsat 8 OLI Imagery*.

11:00 Katie McGaughey*, University of Maryland; Dr. Inbal Becker-Reshef, University of Maryland; Dr. Kevin Jones, University of Maryland; Inbal Yahav; Brian Barker, University of Maryland; Dr. Matthew Hansen, University of Maryland; Dr. Peter Potapov, University of Maryland; Bernard Adusei, *Wheat Mapping Within Major Producer Countries in the Context of Exploring Linkages Between Production Forecasts and Conflict*.

11:20 Jeffrey VanLooy*, University of North Dakota; Michael Hill, Ph.D., University of North Dakota; Doug Olsen, University of North Dakota, *The International Space Station Agricultural Camera: A description of inventory from a unique space borne sensor*.

4235. Climate Justice and Hazards Adaptation in the Caribbean: Part 2 (Sponsored by Study of the American South Specialty Group, Geographies of Climate Change, The American South, Hazards, Risks, and Disasters Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Tania Lopez-Marrero, Rutgers University; April Karen Baptiste, Colgate University; Kevon Rhiney, University of the West Indies - Mona

CHAIR(S): Tania Lopez-Marrero, Rutgers University
Introducer: Tania Lopez-Marrero

10:05 Tania Lopez-Marrero*, Rutgers University, *Caribbean hazards, disasters, and vulnerability: research trends*

over the last three decades.

10:24 Adelle Thomas*, College of The Bahamas, *A Balancing Act: Hazard Management vs. Tourism Destination Image in the Caribbean*.

10:43 Nancy Villanueva Colón*, University of Puerto Rico at Bayamón, *Harbor coastline transformations and increased vulnerability to floods -The case of the San Juan Harbor communities*.

11:02 Hedy Nieves Crespo*, Universitat de Barcelona; Tania Lopez-Marrero, Rutgers University, *Hurricane activity, social memory and hazard management in the Caribbean*.

Discussant(s): Melanie McDermott, Rutgers University

4236. Synoptic Climatology (Sponsored by Climate Specialty Group)

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Thomas Ballinger, Kent State University

CHAIR(S): Thomas Ballinger, Kent State University

10:00 Scott Sheridan*, Kent State University, *The reconstruction of historical Spatial Synoptic Classification types across North America*.

10:20 Cameron C Lee*, Kent State University, *Utilizing a New Gridded Weather Typing Classification Scheme to Evaluate the Relationship between Meteorological Conditions and Cardiovascular-Related Mortality*.

10:35 Daniel Vecellio*, Graduate Student, Texas Tech University; Jennifer Vanos, Texas Tech University, *A Statistical Approach For Determining Synoptic Air Mass Modification*.

10:50 Jennifer Ruper*, Kent State University, *Assessing Visual Clarity and Air Quality using Synoptic Climatology at Grand Canyon National Park*.

11:05 Johnathan Kirk*, Kent State University, *Relating Atmospheric Circulation Pattern Frequencies to Water Resources in the Colorado River Basin*.

11:20 Thomas J Ballinger*, Kent State University; Scott C Sheridan, Kent State University; Edward Hanna, University of Sheffield, *Assessing Beaufort Sea High variability using disparate circulation pattern classifications*.

4237. Rethinking Topology - The Panel

Room: Room 37, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Claudio Minca, Wageningen University; Iulian Barba Lata, Wageningen University

CHAIR(S): Iulian Barba Lata, Wageningen University

Panelists: Alan Latham, University College London; Claudio Minca, Wageningen University; Martin Jones, University of Sheffield; Elaine Stratford, University of Tasmania; Deborah P Dixon, University of Glasgow

4239. Paleocological Investigations of Wildfire II (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Vanessa Stretch, University of Guelph; Emma Davis

CHAIR(S): Emma Davis

10:00 Amber Gall, Masters Student*, University of Western Ontario; Katrina A Moser, Associate Professor, University of Western Ontario, *Determining Mountain Lake Response to Wildfire, Changing Landscapes and Climate*.

10:20 Julie C Aleman*, Université Montpellier 2 - CBAA, *Tracking land-cover changes with sedimentary charcoal in the Afrotropics*.

10:40 Vachel A Carter*, University of Utah; Andrea Brunelle, University of Utah; Simon Brewer, University of Utah, *Can high-resolution pollen be used as an indicator for fire severity?*.

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11:00 Colin J. Long*, University of Wisconsin Oshkosh; Mitchell J. Power, Department of Geography, Utah Museum of Natural History; Thomas A. Minckley, University of Wyoming; Alisa L. Hass, University of Wisconsin Oshkosh, *The impact of Mt. Mazama tephra deposition on forest vegetation in the Central Cascades, Oregon.*

4240. Networks and the climate science-practice interface (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Nathan Kettle, Alaska Center for Climate Assessment and Policy

CHAIR(S): Nathan Kettle, Alaska Center for Climate Assessment and Policy

10:00 Kenneth Frank*, Tingqiao Chen, Michigan State University, *The Transformation and Diffusion of Knowledge about Climate Change through Social Networks in the Great Lakes Region.*

10:20 Scott Kalafatis*, GLISA, *Boundary Chains: A critical link for building a regional customization network.*

10:40 Victoria W Keener, PhD*, East-West Center; Kati Corlew, PhD, East-West Center; Melissa L Finucane, PhD, East-West Center; RAND Corporation, *Connectedness, Sense of Community, and Risk Perception of Climate Change Professionals in the Pacific Islands Region.*

11:00 Kirstin Dow*, University of South Carolina; Benjamin K. Haywood, University of South Carolina; Nathan P. Kettle, Alaska Center for Climate Assessment and Policy, *The Role of Ad Hoc Networks in Supporting Climate Adaptation.*

11:20 Nathan Kettle*, Alaska Center for Climate Assessment and Policy, *Climate Webinars: a Platform for Knowledge to Action Networks in Alaska.*

4241. Land Use and Land Cover, and Remote Sensing Applications

Room: West Hall, TCC, Third Floor (Poster Session)

ORGANIZER(S): Program Committee

Jennifer Jensen, Ph.D*, Texas State University; Adam Mathews, Texas State University; John Klier, Texas State University, *Forest Canopy Height and Percent Cover Estimates Using Three Dimensional Data Obtained From An Image-based Point Cloud.*

Jingyin Tang*, University of Florida, *Measuring Spatial-temporal Pattern of Three-dimensional Structures of Convective Rainbands in Landfalling Tropical Cyclones.*

Yaqian He*, West Virginia University; Eungul Lee, West Virginia University, *Comparisons of AVHRR GIMMS NDVI and MODIS NDVI datasets based on three temporal downsampling methods over the Sahel in Africa.*

Nathan R Pavlovic*, University of Illinois at Urbana-Champaign, *Landsat Imagery Reveals Temporal Trends in Fire Seasonality at a Countrywide Level in Côte d'Ivoire.*

Hao Tang*, University of Maryland; Ralph Dubayah, University of Maryland, *A new algorithm of deriving canopy height and leaf area index from lidar remote sensing.*

Benjamin Heumann*, Central Michigan University, *The Central Michigan Hyperspectral Imaging Platform: An unmanned aerial image spectroscopy system.*

Xi Li, PhD Candidate*, Department of Geography and Planning, The University of Toledo; Kevin Czajkowski, Professor, Department of Geography and Planning, The University of Toledo, *Potential Urban Brownfields Identification in Cleveland with LiDAR Imagery.*

Prem Chandra Pandey*, Post Graduate Researcher, Centre for Landscape and Climate Research, Department of Geography, University of Leicester, UK; University of Leicester; Nicholas J Tate, Dr., Senior Lecturer, Department of Geography, University of Leicester, UK; Heiko Balzter, Prof., Director Centre for Landscape

and Climate Research, Department of Geography, University of Leicester, UK, *Forest mapping in a coastal region of Portugal using Statistically Segmented PCA.*

Xiaojun Yang*, Florida State University, *Mapping Urban Settlements in a Desert City using Landsat-8 Imagery.*

Haijian Liu, Department of Geography, University of North Texas; Pinliang Dong*, Department of Geography, University of North Texas, *A new method for generating canopy height models from discrete-return LiDAR point clouds.*

Di Yang*, University of Florida, *Remote Sensing Time Series Reconstruction Methods and Analysis Based on Different Environmental Parameters.*

John Gross*, Central Michigan University; Ryan Meier*, Central Michigan University; Benjamin W. Heumann, PhD, Central Michigan University, *Uses of Affinity Propagation In Remote Sensing.*

Sungho Choi*, Boston University; Ranga Myneni, Boston University, *Allometric Scaling and Resource Limitations Model of Total Aboveground Biomass in Forest Stands: Model Optimization and Testing over Continental USA.*

Diane M. Styers, PhD*, Western Carolina University, *Examination of MODIS-derived Vegetation Phenology in Great Smoky Mountain NP.*

Nate Currit*, Texas State University, *Matching daily phenology to MODIS land surface phenology along an elevation gradient.*

Jie Zhong*, Salem State University, *Vegetation Change in China: 1998 - 2012.*

Biniam Mengisteab*, Geography & Environment, San Francisco State University; Leonhard Blesius, Geography & Environment, San Francisco State University; Logan Hennessy, Liberal Studies, San Francisco State University, *Artisanal Gold Mining activities and forest loss in Upper Mazaruni Territory, Guyana between 1986 and 2013.*

Rachel A Snaveley*, Department of Geography and the Environment, The University of Texas at Austin, *Monitoring vegetation recovery and land cover dynamics in the Gifford Pinchot National Forest: A multi-temporal remote sensing based approach.*

Bradley Rundquist*, University of North Dakota; Mark Ingham, University of North Dakota; Mark Fisher, U.S. Fish and Wildlife Service, *Detecting Trends in Invasive Emergent Vegetation in the Devils Lake Basin of North Dakota.*

Wenli Huang*, University of Maryland, College Park; Guoqing Sun, University of Maryland, College Park; Zhiyu Zhang, Chinese Academy of Sciences, Institute of Remote Sensing Applications; Wenjian Ni, Chinese Academy of Sciences, Institute of Remote Sensing Applications, *Mapping Change of Forest Above-ground Biomass from Multi-source SAR Backscatter.*

Jacob A. Noel*, University of Maryland, *High Spatial Resolution RapidEye Data Used For Validating Large Area Landsat Based Forest Disturbance Map.*

Robert P Sabie*, New Mexico State University, *Remote Sensing for Monitoring Surface Coal Mine Remediation in Drylands.*

Michael W Hernandez*, Weber State University; David Edwards, Weber State University; Justin Welch, Weber State University; Sean Healey, U.S. Forest Service (Rocky Mountain Research Station); Elizabeth Freeman, U.S. Forest Service (Rocky Mountain Research Station); Andrew J Lister, U.S. Forest Service (Northern Research Station); Paul L Patterson, U.S. Forest Service, (Rocky Mountain Research Station), *Refined Sample Design Procedure for Model-Based Estimation of Global Forest Biomass Inventory using GLAS Lidar*

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Amor Elder*, University of South Florida, *Analysis of Tree Canopy Cover in Sarasota's Urban Service Area.*

Timothy A Warner*, West Virginia University, *Overcoming the challenges of using image texture bands in remote sensing classification.*

Armando L Meléndez-Rivera*, UPR Cayey; Luis A Perez-Soto, UPR Cayey; Faviola Castrodad-Felix, UPR Cayey; Javier A Arce-Nazario, Ph.D., Institute of Interdisciplinary Studies, UPR Cayey, *Landscape transformations from the coast to the mountains: A 75 year historical photogrammetric analysis of the La Plata River Watershed in Puerto Rico.*

Jian Fan*, Clark University; Russell Sands; Ali Santacruz, Clark University; Edward Potter, Clark University; Luyang Ren; Chris Ferraro, Clark University; Robert Gilmore Pontius, Clark University, *Components of Information of Mean Absolut Disagreement for Multiple Resolution Comparison between Two Realizations of the Same Continuous Variable.*

Carly Muir*, University of Florida, *Is Precipitation Driven by the Atlantic Multidecadal Oscillation Influencing Land Use and land Cover in Florida.*

Daniel Pearlman*, Miami University, *Land use and land cover change at Mt. Kasigau, Kenya.*

Kyle L Anibas*, Kansas State University; Douglas G. Goodin, Dr., Kansas State University; Maksym Bezymennyi, National Academy of Agrarian Sciences of Ukraine, *Quantifying Land Cover and Habitat Change in Volyn, Ukraine: 1986-2011..*

Hoonchong Yi*, Texas A&M University; Burak Güneralp, Texas A&M University; Anthony M. Filippi, Texas A&M University, *Land-use/land-cover change in San Antonio, Texas.*

Tyler Pease*, Dept. of Geography and Geosciences, Salisbury University; Daniel W Harris, Ph.D., Dept. of Geography and Geosciences, Salisbury University, *Exploring Secondary Forest Re-Growth at the Household Level in the Brazilian Amazon: Geographic, Demographic and Economic Factors.*

Alex Moats*, Shippensburg University; Dr. Claire Jantz, Shippensburg University, *An Investigation of Land Use Change in the Tuscarora Creek Watershed of Maryland.*

Kyle Clem*, Central Michigan University; Brittni Rohrer*, Central Michigan University, *Is the Decline of Detroit Detectable From Space?.*

Sophia Sennett*, Duke University; University of North Carolina-Chapel Hill, *Visualizing the Altered Landscape: Tradition and Environmental Change Captured through the Appalachian Media Institute.*

Trang M. VoPham, MS, MPH*, University of Pittsburgh; John P. Wilson, PhD, University of Southern California; Darren Ruddell, PhD, University of Southern California; Tarek Rashed, PhD, University of Southern California; Joel L. Weissfeld, MD, MPH, University of Pittsburgh, *A Landsat Remote Sensing Method to Estimate Agricultural Pesticide Exposure in California.*

Xuehan Harvey Jing*, The University of Alabama, *Modeling and Analyzing Land Use and Land Cover Change in Metropolitan Birmingham Area Using Landsat TM, OLI Data.*

Bristol Mann*, University of Michigan, *Remote sensing-based crop index insurance programs for Tigray, Ethiopia: an analysis of NDVI variability in coarse and fine spatial resolutions.*

Michael Webster, GISP*, San Francisco Planning Department, *Urban Tree Canopy in San Francisco.*

Hamed Gholizadeh*, Indiana University; Scott Robeson, Indiana University; Faiz Rahman, *Optimal Term Selection and Weighting of Vegetation-Index Spectral Bands*

Using Genetic Algorithms for Chlorophyll Content Estimation.

Fanneng He*, IGSNRR-CAS, *Reconstruction of Forest Cover of China over the Past 300 Years.*

Christopher A. Badurek*, Appalachian State University; Michael Flanagan, Appalachian State University; Christopher Jackson-Jordan, Appalachian State University; Aaron Chapman, Appalachian State University, *Implications of Land Cover Misclassification near Exurban Developments in Watauga County, NC.*

4252. Vegetation Dynamics II (Sponsored by Biogeography Specialty Group)

Room: Grand Salon A, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Adam Naito, Texas A&M University; Parveen K Chhetri, Texas A&M University

CHAIR(S): Parveen K Chhetri, Texas A&M University

10:00 Carlyn Perovich*, Colorado State University; Jason Sibold, Colorado State University, *Post-mountain pine beetle forest regeneration in Rocky Mountain National Park.*

10:20 Jean Fleming*, Colorado State University, *Fire disturbance and species distributions under climate change conditions.*

10:40 Mary Ann Cunningham*, Vassar College, *When does Forest Regrowth Restore Ecosystem Services?.*

11:00 Andrew Trgovac*, University at Buffalo, *The influence of environmental factors on the spatial pattern of forest abundance distributions in the eastern United States.*

11:20 Charles Lafon*, Texas A & M University; Henri Grissino-Mayer, University of Tennessee; Serena Aldrich, Blinn College; Georgina DeWeese, University of West Georgia; Will Flatley, Northern Arizona University; Lisa LaForest, University of Tennessee, *Fire History and Its Implications for Forest Dynamics in the Appalachian Mountains.*

4254. Mapping in the Cloud (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Grand Salon C, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Michael P. Peterson, University of Nebraska at Omaha

CHAIR(S): Michael P. Peterson, University of Nebraska at Omaha

10:00 Michael P. Peterson*, University of Nebraska at Omaha, *Combining Theory and Practice for Mapping in the Cloud.*

10:20 Chris Anderson*, FWC/FMRI; AnnMarie Tavares, FWC/Community Relations; Henry Norris, FWC/FWRI; Kathleen, O'Keefe, FWC/FWRI, *Making maps more accessible over the Web - A state agency's effort to comply with Section 508.*

10:40 Ted Florence*, Avenza Systems, Inc., *Making Your GIS-Produced Maps Mobile.*

11:00 Joey Ying Lee*, National Cheng Kung University; Julie Yu-Wen Chen, PHD, University College Cork, *A Comparative Analysis of Tianditu and Google Online Mapping Services.*

4255. The Geography of Urban Infrastructure II: Infrastructure, governance, and networks (Sponsored by China Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology; Yin Yang, University of Oxford; Eric Knight

CHAIR(S): Steve Musson, University of Reading

10:00 Brian Webb, Dr.*, University of Manchester; Jenni Viitanen, Dr., University of Manchester, *Infrastructure*

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and the City: Mediating the Space of Flows and the Space of Places.

10:20 Lei Zhou*, Department of Geography, Nanjing Normal University, Nanjing, China; Shuguang Wang, Department of Geography, Ryerson University, Toronto, Canada; Shan Yang, Department of Geography, Nanjing Normal University, Nanjing, China, *The changing manufacturing locations in the context of ownership reform and land marketization in Chinese Cities: the case of Wuxi.*

10:40 Janelle Knox-Hayes*, Georgia Institute of Technology, *The Bilateral Carbon Offsetting Mechanism: Japan's answer to green infrastructure development in Southeast Asia.*

11:00 Fan Zhang*, Fan Zhang, East China Normal University & University of North Carolina at Greensboro, *Research on the Structure of World City Networks: The Perspective of Air Transport Connections.*

Discussant(s): John Bryson, University of Birmingham

4258. Energy Transitions II (Sponsored by Energy and Environment Specialty Group)

Room: Grand Salon G Marriott, Second Floor (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

10:00 Kristine Wright*, Northeastern Illinois University, *A GIS Based Approach to Assessing Solar Potential on Landfills.*

10:20 Tesfay Russell*, University of Northern Iowa, Department of Geography; Andrey N Petrov, Dr., University of Northern Iowa Department of Geography, *Spatially Explicit Empirical Approach To Wind Farm Site Suitability Modelings In Iowa.*

10:40 Michael Slattery*, Texas Christian University; Becky Johnson, Texas Christian University; Scott Greene, University of Oklahoma; Steve Stadler, Oklahoma State University, *The socio-economic impacts of utility-scale wind energy projects.*

4259. The Other as a Threat: Surveillance, Control and Segregation in Latin America 2 (Sponsored by Latin America Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Nelson Arteaga Botello, Facultad Latino Americana de Ciencias Sociales; Rodrigo Jose Firmino, PUCPR
CHAIR(S): Nelson Arteaga Botello, Facultad Latino Americana de Ciencias Sociales

10:00 Rebecca Clouser, Ph.D.*, Washington University in St. Louis, *Censado: Surveys, surveillance and Guatemala's geographies of fear and development.*

10:20 Paige Patchin*, University of British Columbia, *War(s) on Drugs: A transnational story of fear and fantasy.*

10:40 Marcos Paulo Ferreira De Gois*, Universidade Federal do Rio de Janeiro, *Urban Nightscapes of Rio de Janeiro, Brazil: social and spatial practices beyond public spaces and political discourses.*

11:00 Lucas Melgaço*, Vrije Universiteit Brussel, *Monitoring Crowd Events: Surveillance of Public Demonstrations in Brussels and Rio de Janeiro.*

Discussant(s): Christopher Gaffney, Universidade Federal Fluminense

4260. History of Geography Specialty Group Plenary. Geography in Action: Doctoral Dissertation Research Trends and Traditions over the last 120 Years (Sponsored by History of Geography Specialty Group)

Room: Grand Salon I, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Guntram Herb, Middlebury College

CHAIR(S): Guntram Herb, Middlebury College

Discussant(s): Anne Godlewska; B L Turner II, Arizona State University; Guntram Herb, Middlebury College

Panelists: David H Kaplan, Kent State University; Jennifer Mapes, Kent State University

4261. Cities and Urban Regions in the Americas (Sponsored by Latin America Specialty Group, Qualitative Research Specialty Group, Development Geographies Specialty Group)

Room: Grand Salon J, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Betty Elaine Smith, Eastern Illinois University; Joel Outtes, UFRGS-UNIV FED RIO GDE DO SUL

CHAIR(S): Betty Elaine Smith, Eastern Illinois University

10:00 Kristine Stiphany*, The University of Texas at Austin, *Insurgent praxis: Children and the cultivation of agency in a Brazilian favela.*

10:20 Stephen Koester, Ph.D.*, University of Colorado Denver; Sig Langeegger, Ph.D., Akita University, *"Mongrel Neoliberalism" and splintered spaces.*

10:40 Susan Bridle-Fitzpatrick, PhD*, Korbel School of International Studies, University of Denver, *Food Deserts or Food Swamps?: The Role of Foodscapes in Rising Obesity in Urban Mexico.*

11:00 Peter Wood*, Florida State University, *Urban Place Promotion and Development in Foz do Iguaçu, Brazil.*

4263. Risk as Resource 2

Room: Florida Salon II, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Chris Knudson, Clark University

CHAIR(S): Chris Knudson, Clark University

10:00 Samuel Randalls*, University College London; James Kneale, University College London, *Insuring weather and climate risk in Britain, c.1840-1900.*

10:20 Anna Stanley*, University of Toronto, Canadian Studies, *Risk Managing Indigenous In/security: Abandonment and Value in Canadian Environmental Resource Governance.*

10:40 Laura Elder*, Saint Mary's College Notre Dame, *Greening the Glass Ceiling: A transregional analysis of gender, Islam, and financialization.*

11:00 Christopher Muellerleile*, University of Bristol, *Market liquidity, financial risk, and the production of space: a necessary engagement for economic geography.*

Discussant(s): Jessica Dempsey, University of Victoria

4264. Geospatial Ontology, Semantics, and Metadata III: GeoVocamp - A bottom-up and participatory method for developing lightweight geospatial vocabularies and ontologies (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Florida Salon III, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Gaurav Sinha, Ohio University

CHAIR(S): Gaurav Sinha, Ohio University

Panelists: Krzysztof Janowicz, University of California, Santa Barbara; E. Lynn Usery, U.S. Geological Survey; Kathleen Stewart, University of Iowa; Gary Berg-Cross, SOCoP; Werner Kuhn, University of Muenster

4265. The Scale of Actions to Sustain Human Well-being (Sponsored by Scale and Sustainability)

Room: Florida Salon IV, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Bob Kates, Independent Scholar

CHAIR(S): Douglas Richardson, Association of American Geographers

10:00 Bob Kates*, Independent Scholar, *The Scale of Actions to Sustain Human Well-being.*

10:20 Richard J Aspinall*, Independent Scholar; Mario Giampietro, Autonomous University of Barcelona, Spain; Jesus Ramos-Martin, Autonomous University of Barcelona; Sandra Bukkens, Autonomous University

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of Barcelona, *Multi-scale Resource Accounting for Sustainability Assessment*.

10:40 Jochen Albrecht, Dr. *, Hunter College CUNY, *Spatio-temporal Scales of Greenhouse Gas Emissions*.

11:00 Michaela Buenemann, Ph.D. *, New Mexico State University, *Scale Issues in Land System Studies*.

11:20 Mark Luccarelli *, University of Oslo, *Planning for Sustainability: Rethinking the Region in the Anthropocene Epoch*.

4268. Race, Space, and Nature II (Sponsored by Racism and Violence)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Rachel Brahinsky, University of San Francisco; Laura-Anne Minkoff-Zern, UC Berkeley, Department of Geography

CHAIR(S): Jade Sasser, Loyola Marymount University
Introducer: Jade Sasser

10:10 Uli Linke *, Rochester Institute of Technology, *Racializing Cities, Naturalizing Space: The Seductive Appeal of Iconicities of Dispossession*.

10:30 Laura-Anne Minkoff-Zern, PhD *, Goucher College, Department of Environmental Studies, *Knowing "Good Food": Immigrant Knowledge and the Racial Politics of Farmworker Food Insecurity*.

10:50 Rachel Brahinsky, PhD *, University of San Francisco, *Intersections of Race and Development in Southeast San Francisco: Towards a Theory of Race-Class*.

Discussant(s): Sharlene Mollett, Dartmouth College

4269. Condo-ism II: The Production of Urban Space, Legal Structures, and Sociopolitical Relations

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Alan Walks, University Of Toronto; Setha Low
CHAIR(S): Alan Walks, University Of Toronto

10:00 Setha Low *, The Graduate Center, *Condo-ism or Coop-ism: Comparing the Production of Urban Space, Governance Strategies and Social Relations of Private Housing Regimes in New York City*.

10:20 Randy Lippert *, University of Windsor; Rhys Steckle, University of Windsor, *Condo-ization, Constituents and Commodified Spaces*.

10:40 Alan Walks *, University Of Toronto; Gillad Rosen, Hebrew University of Jerusalem; Gotfryd Elka, Hebrew University of Jerusalem, *The Political Geography of Condoism: Partisanship, Ideology, and the Private Transformation of the Metropolis*.

Discussant(s): Renaud Le Goix, University Paris 1

4270. Trees in the City 2: Ecological, social, or economic services provided by urban forests (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR(S): Tenley Conway, University of Toronto

10:00 Won Hoi Hwang *, Virginia Polytechnic Institute and State University; P. Eric Wiseman, Virginia Polytechnic Institute and State University; Valerie A. Thomas, Virginia Polytechnic Institute and State University, *Tree Shade Produced by Various Tree Planting Configurations under Different Seasons and Geographic Latitudes*.

10:20 Christopher S. Greene, PhD (ABD) *, Ryerson University; Andrew A Millward, PHD, Ryerson University, *Quality or quantity? Investigating the role of tree canopy density to moderate temperature in the urban microclimate*.

10:40 Andrew Allan Millward, Ph.D. *, Ryerson University;

Michelle Blake, MASc, Ryerson University, *The Potential for Perennial Vines to Mitigate Summer Warming of an Urban Microclimate*.

11:00 Adam Berland *, US Environmental Protection Agency; Matthew Hopton, US Environmental Protection Agency, *Comparing Street Tree Structure to Neighborhood Characteristics: An Issue of Scale?*.

11:20 Heather Sander *, University of Iowa; Jamie L Sanchagrin, University of Iowa; Chang Zhao, University of Iowa, *Who Values What and Where? Variation in the Value of Urban Vegetation and Greenspace*.

4271. Development and Space at China's Frontiers II (Sponsored by China Specialty Group, Asian Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Yang Yang, University of Colorado at Boulder; Galen Murton, University of Colorado, Boulder

CHAIR(S): Yang Yang, University of Colorado at Boulder

10:00 Yajuan Li, Graduate Research Trainee *, McGill University; Sarah Turner, Associate Professor, McGill University, *Confrontation and Compromise over Livelihood Approaches in Miao and Dong communities in China's Southwest frontier*.

10:16 Ding Fei *, University of Minnesota - Twin Cities, *Labor Relations within Chinese Construction Projects in Sub-Saharan Africa*.

10:32 Tom Narins *, University of California Los Angeles (UCLA); John Agnew, University of California Los Angeles (UCLA), *A New 'Dependency'? China's Economic Activity in Latin America*.

10:48 Elizabeth Wharton *, University of Colorado, Boulder, *China's Special Economic Zone in Ethiopia*.

11:04 Tyler Harlan *, University of California, Los Angeles, *From periphery strategy to international best practice: globalizing Chinese development expertise*.

Discussant(s): Sarah Turner, McGill University

4272. Migration in the United States (Sponsored by Population Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Nancy K. Torrieri, U.S. Bureau Of the Census
CHAIR(S): Evelyn Ravuri, Saginaw Valley State University

10:00 Evelyn Ravuri *, Saginaw Valley State University, *The Great Recession and Florida's Interstate/Intercounty Migration*.

10:20 Arianna Martinez *, LaGuardia Community College, City University of New York, *Deferred Action for Childhood Arrivals (DACA) and New York City*.

10:40 Shimantini Shome *, Concord University, *Memories, narratives of war and Assimilation: the case of Somali Refugee youth in the American Midwest*.

11:00 Kathryn Wright *, University of Colorado, Boulder, *Dreams of a better life in the Big Apple, Mile High City, and Senegal: A case study of U.S.-based Senegalese migrants' development efforts*.

11:20 Larry Joe Morgan, Ph.D. *, Jacksonville State University; David Rickless, Student *, Jacksonville State University, *The Unintended Consequences of Strict Immigration Laws: (Re)evaluating the Impacts of HB-56 of Alabama, Aggregated at the County Level*.

4273. Spatial Epidemiology V: Modeling Vector Borne Diseases (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Eric Delmelle, UNC-Charlotte; Tijis Neutens, Ghent University

CHAIR(S): Eric Delmelle, UNC-Charlotte

10:00 Eric Delmelle *, UNC-Charlotte; Coline Dony, University

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- of North Carolina at Charlotte; Irene Casas, Louisiana Tech University; Meijuan Jia, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte, *Visualizing the impact of space-time uncertainties on dengue fever patterns*.
- 10:20** Michael C Wimberly, Ph.D.*, South Dakota State University; Paolla Giacomo, South Dakota State University; Lon Kightlinger, Ph.D., South Dakota Department of Health; Michael B Hildreth, Ph.D., South Dakota State University, *Geospatial Forecasting of West Nile Virus Outbreaks Based on Climatic Triggers*.
- 10:40** David Frost Attaway, GISP*, Student; Allan Falconer, PhD, George Mason University; Kathryn H Jacobsen, PhD, George Mason University; Germana Manca, PhD, George Mason University; Lauren Rosenshein Bennett, Esri; Nigel M Waters, PhD, George Mason University, *Mosquito habitat and dengue risk potential in Kenya: Alternative methods to traditional risk mapping techniques*.
- 11:00** Temitope Alimi, MPhil*, University of Miami, *Malaria risk profile in northern South America*.
- 11:20** Marilyn O'Hara Ruiz, PhD*, U of Illinois College of Veterinary Medicine, *Patterns and processes of transmission and the spatio-temporal drivers of vector-borne disease*.
- 4274. Geographies of Media 10: Placemaking through Media (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): John Finn, Christopher Newport University; Joseph Palis, North Carolina State University
 CHAIR(S): Christina Dando, University of Nebraska-Omaha
10:00 Brad Dearden, Associate Professor of Geography*, University of Maine at Farmington, *Uneven Spaces of Development: Visualizing Local Disparity in Global Context*.
10:20 Matt Huycke*, University of Oklahoma, *Neoliberal Sentimentality, the Competitive City, and Placemaking Efforts in Oklahoma City*.
10:40 Alison Hotten*, University of Nevada, Reno, *Selling the Tropical Shitell: the Promotion of Miami Beach as a Jewish Tourist Destination*.
11:00 Christina Dando*, University of Nebraska-Omaha, *Great Plains Geographies: advertising copy or academic geography?*.
11:20 Ramesh Dhussa*, Drake University, *Empire To Independence: Delhi As Portrayed In Print Media*.
- 4277. Sacrifice & Security: Geopolitics and Dialectics (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**
Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Alec Brownlow, DePaul University; Harold Perkins, Ohio University
 CHAIR(S): Dustin Mulvaney, San Jose State University
10:00 Siri Veland, Dr*, Brown University, *Axes of remoteness: the global sacrifice zone of Arctic petroleum*.
10:20 Jennifer Richter*, ASU, *Sacrificing the Future: Marking Nuclear Waste Sites*.
10:40 Ahmed Afzal*, Purchase College, SUNY, *Sacrificing Heritage, Building a Nation: State-sponsored Urban Development, National Sovereignty and the Deterioration of Sikh and Hindu Built Heritage in Pakistan*.
11:00 Alec Brownlow*, DePaul University, *Security Capitalism, or, the Development of Sacrifice: Thoughts on an Emerging Research Agenda*.
- 4278. Legal-Financial Geographies II: Law in the Production of New Financial Spaces (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**
Room: Meeting Room 9, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Shaina Potts, UC Berkeley Geography; Sarah Knuth, UC Berkeley
 CHAIR(S): Shaina Potts, UC Berkeley Geography
10:00 Patrick Bigger*, University of Kentucky, *"We couldn't have done it without you guys": Enrolling finance in environmental governance (and vise-versa)*.
10:20 Kelly Kay*, Clark University, *Legal-economic geographies and the growth of the American land trust movement*.
10:40 Eric Clark*, Lund University; Anders Lund Hansen, Lund University, Department of Human Geography; Henrik Gutzon Larsen, Lund University, Department of Human Geography, *"The Next Supermodel"? Shades of Northern Light in the Financialization of Built Environments in Copenhagen and Stockholm*.
11:00 Sarah Knuth*, UC Berkeley, *Law and Finance in the Production of Green Economic Space*.
 Discussant(s): Shaina Potts, UC Berkeley Geography
- 4279. Fluvial Forms and Processes (Sponsored by Geomorphology Specialty Group)**
Room: Meeting Room 10, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Lisa Davis, University of Alabama; Michael Slattery, Texas Christian University
 CHAIR(S): Lisa Davis, University of Alabama
10:00 Sagy Cohen, PhD*, University of Alabama; Albert Kettner, PhD, University of Colorado; James PM Syvitski, PhD, University of Colorado, *Spatially and Temporally Explicit Prediction of Sediment, Nutrients and Water Discharge in Global Rivers*.
10:20 Nicholas Ryan Haney*, University of Alabama; Lisa Davis, University of Alabama, *Hydrologic and hydrodynamic factors determining alluvial bench stability in streams of the southern Piedmont (USA)*.
10:40 Bartosz Grudzinski*, Kansas State University; Melinda D Daniels, Stroud Water Research Center; Michael Rawitch, University of Kansas; Kyle Anibas, Kansas State University, *Influence Of Watershed Grazing Management On Baseflow Suspended Sediment Dynamics In Grassland Headwater Streams*.
11:00 Matthew Goslin*, University of Oregon, *Interactions between a native sedge, Carex nudata, and physical river processes, a model of coupled biogeomorphic development, Middle Fork John Day River, eastern Oregon*.
11:20 Ryan Vaughn*, University of Alabama, *Hydro-Geomorphological Influences on Plant Patch Density and Distribution on Bedrock-Shoal Habitats of the Cahaba River, AL*.
- 4280. Geographies of Education 5: Pedagogical Strategies and Praxis in Geographic Education and Geo-Literacy II (Sponsored by Geography Education Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: Meeting Room 11, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Joseph Palis, North Carolina State University; Helene DUCROS, University of North Carolina - Chapel Hill
 CHAIR(S): Lisa Marshall, UNC-Chapel Hill (& NC State University)
10:00 Jinhee Lee*, Texas State University - San Marcos, *The impact of priming effect of geographic visual images on creativity*.
10:20 Leslie North*, Western Kentucky University; Jeremy Simmons, Western Kentucky University, *Balancing*

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Educational with Entertainment: A Preliminary Study of Show Caves in the United States and Europe.

10:40 Joseph Manzo, Ph.D*, Concord University, *Environmental Process Through the Novel: A Benedum/NGS Grant Project.*

11:00 Matthew Collier*, University of Oklahoma, *Teaching ExoGeography.*

4281. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 3 of 3)

Room: Meeting Room 12, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Daniel Hammel, NSF; Kelley Crews, University of Texas

CHAIR(S): Thomas Baerwald, National Science Foundation

4282. Labour Geographies and Crisis II (Sponsored by Economic Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Anders Underthun, Work Research Institute, Oslo; Steven Tufts, York University; David Jordhus-Lier, University of Oslo

CHAIR(S): Steven Tufts, York University

10:00 Brendan Sweeney*, McMaster University, *Multi-Faceted Approaches to Rescaling Employment Relations in Ontario's Publicly-Funded Elementary and Secondary Education Sector.*

10:20 David Jordhus-Lier*, University of Oslo, *Union strategies in hotels: some comparative reflections.*

10:40 Kim England*, University of Washington, *The Spatial Politics of Domestic Workers in the US.*

11:00 Anders Underthun, Senior Researcher*, Work Research Institute, Oslo, *Keeping up or just flying along? Union challenges and the rescaling of the Norwegian and European civil aviation industry.*

11:20 Andrew Warren*, University of New England, *Working cultures: the agency and employment experiences of non-unionized workers in the surfboard industry.*

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4301. Community College Affinity Group Business Meeting (Sponsored by Community College Affinity Group)

Room: Room 1, TCC, First Floor (Meeting Session)

ORGANIZER(S): Program Committee

4313. Late Breaking News Session: Crisis in Ukraine: Background and a Report from Kyiv

Room: Room 13, TCC, First Floor (Panel Session)

11:50 AM - 12:30 PM

Organizer and Chair: **John Western**, Syracuse University

Speaker: **Roman Cybriwsky**, Temple University

The mass protest movement in Kyiv and other Ukrainian cities against the government of President Yanukovich is more than a tugging of Ukraine between the European Union and Russia. It is also a grassroots fight against endemic corruption and for rule of law, as well as an anti-colonial struggle for true national independence and identity. The situation is highly fluid and no one knows what will happen in the country by the time of the AAG meeting, but whatever takes place is certain to make history. Roman Cybriwsky is an urban-social geographer from Temple University who knows the scene well. His book about contemporary Kyiv, *City of Domes and Demons*, will be published this spring. He has spent time in the thick of the EuroMaidan protests in Kyiv, and has many personal observations and photographs to share. He continues to be in close touch with protesters and journalists on the scene, and promises a presentation that is up-to-date, informed, and balanced.

4317. Cultural Geography Specialty Group Business Meeting (Sponsored by Cultural Geography Specialty Group)

Room: Room 17, TCC, First Floor (Meeting Session)

ORGANIZER(S): Program Committee

4320. Spatial Analysis and Modeling Specialty Group Business Meeting (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Meeting Session)

ORGANIZER(S): Program Committee

4323. Population Specialty Group Business Meeting (Sponsored by Population Specialty Group)

Room: Room 23, TCC, First Floor (Meeting Session)

ORGANIZER(S): Program Committee

4334. History of Geography Specialty Group Business Meeting (Sponsored by History of Geography Specialty Group)

Room: Room 34, TCC, Fourth Floor (Meeting Session)

ORGANIZER(S): Program Committee

4340. Animal Geography Specialty Group Business Meeting (Sponsored by Animal Geography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Meeting Session)

ORGANIZER(S): Program Committee

4373. Health and Medical Geography Specialty Group Business Meeting (Sponsored by Health and Medical Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Meeting Session)

ORGANIZER(S): Program Committee

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4401. World Regional Geography: Strategies for effectively teaching the World in a lower division classroom (Part 1) (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Room 1, TCC, First Floor (Panel Session)
ORGANIZER(S): Sarah Goggin
CHAIR(S): Sarah Goggin
Panelists: Joy Fritschle, West Chester University of Pennsylvania; Michael Scholz, Winona State University; Kelly Lemmons, Texas A&M University; Amanda Rees, Columbus State University; Melvin Johnson, University of Wisconsin-Manitowoc; Erin Fouberg, Northern State University

4403. Engaging Ethical Dilemmas in the Participatory Action Research Process

Room: Room 3, TCC, First Floor (Paper Session)
ORGANIZER(S): Amy Ritterbusch, Universidad de los Andes
CHAIR(S): Amy Ritterbusch, Universidad de los Andes
12:40 Amy E. Ritterbusch, PhD*, Universidad de los Andes, *Becoming Peers: Critical Geo-Ethnographic and Fieldwork Praxis for Overcoming Socio-Spatial Hierarchies in the Participatory Action Research Process*.
1:00 Mamyrah Dougé-Prosper*, Florida International University, *Constructing "Home" as the Field: Positionalities, Activism, and Feminist Research*.
1:20 Maria Inés Cubides Kovacsics*, Universidad de los Andes; Alejandro Lanz Sánchez*, Universidad de los Andes, *Police Abuse and Sex Workers - The Two Wings of the Butterfly: Negotiating Ethical Dilemmas in Participatory Action Research in Bogotá, Colombia*.
1:40 Carys Anna Banks*, University of Bath, *The ethics of researcher - participant relationships when doing research with 'vulnerable' participants*.
Discussant(s): Caitlin Cahill, Pratt Institute

4404. Author Discussion of "Dancing with the River: People and Life on the Chars of South Asia" (Sponsored by Water Resources Specialty Group)

Room: Room 4, TCC, First Floor (Panel Session)
ORGANIZER(S): Ezgi Akpınar Ferrand, Southern Connecticut State University; Luke Juran, Virginia Tech
Discussant(s): Kuntala Lahiri-Dutt, The Australian National University

4405. Environmental Justice Research: Contemporary Issues and Emerging Topics II (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)
ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Sara Grineski, University of Texas at El Paso
CHAIR(S): Timothy Collins, University of Texas - El Paso
12:40 Donna Green, Dr*, University of New South Wales, Australia; Jayajit Chakraborty, Professor, University of South Florida, *Exploring the Environmental Justice Implications of Industrial Pollution in Australia*.
1:00 Stephanie E Clark*, University of Texas at El Paso; Sara Grineski, PhD, University of Texas at El Paso; Tim Collins, PhD, University of Texas at El Paso; Hector Olvera, Center for Environmental Resource Management, *Does exposure to hazardous air pollution contribute to disparities in school performance?*.
1:20 Richard S. Kujawa*, Saint Michael's College, Vermont; Patrick Crannell, Saint Michael's College, Vermont, *Poverty or Poison: Discourses of environmental justice in the evolving geographies of electronic waste*.
1:40 Dorian Payan*, University of Texas at El Paso, *Separate and Environmentally Unequal: A Micro-*

sociospatial Analysis of Residential Segregation and Disproportionate Risk Exposure.

2:00 Kundan Kumar*, University of Toronto, *Anti-extraction mobilizations as Assemblages of Resistance*.

4406. FQG: Procreational Geographies (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)
ORGANIZER(S): Natalie Oswin, McGill University
CHAIR(S): Natalie Oswin, McGill University
12:40 Heidi J. Nast*, DePaul University, *Erotics & procreation*.
1:00 Eleanor Wilkinson*, University of Leeds, *Never after? Queer temporalities and the politics of non-reproduction*.
1:20 Maria Fannin*, University of Bristol; Julie Kent, University of the West of England, *Origin stories from a regional placenta tissue collection*.
Discussant(s): Sarah De Leeuw, University of Northern British Columbia

4407. Publishing for Non-Native Speakers of English I

Room: Room 7, TCC, First Floor (Panel Session)
ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Eric S. Sheppard, UCLA
CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign
Discussant(s): Helga Leitner, University of California, Los Angeles; Bing Xu; Weidong Liu, Chinese Academy of Sciences; Pádraig Carmody, Trinity College Dublin; Barney Warf, University of Kansas; Richard Wright, Dartmouth College; Mark Fonstad, University of Oregon

4408. Urban Climate & Environment (Sponsored by Climate Specialty Group, Urban Geography Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)
ORGANIZER(S): Bradley Bereitschaft, University of Nebraska at Omaha
CHAIR(S): Bradley Bereitschaft, University of Nebraska at Omaha
12:40 Neil Debbage*, University of Georgia; J. Marshall Shepherd, University of Georgia, *Urban Heat/Dry Islands: The Role of Density and Spatial Contiguity*.
1:00 Chang Zhao*, University of Iowa; Heather A. Sander, University of Iowa, *Quantifying and mapping supply and demand of carbon storage service in urban areas, Dakota County, MN*.
1:20 Csilla V Gal*, Illinois Institute of Technology, Chicago, *The influence of built form on the microclimate within urban blocks*.
1:40 Kathleen M. Ernst, M.S.*, Oak Ridge National Laboratory; Olufemi A. Omitaomu, Ph.D., Oak Ridge National Laboratory, *A Spatial Modeling Framework for Estimating Electricity Demands in Developing Countries: Using Nigeria as a Case Study*.
2:00 Bradley Bereitschaft, PhD*, University of Nebraska at Omaha, *Fine Particulate Matter and Pedestrian Activity in Six Urban Street Corridors*.

4409. FQG: Five Panelists and the Author Discuss Jenna Loyd's "Health Rights Are Civil Rights" (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 9, TCC, First Floor (Panel Session)
ORGANIZER(S): Shiloh Krupar, Georgetown University
CHAIR(S): Shiloh Krupar, Georgetown University
Discussant(s): Katherine McKittrick, Queen's University
Panelists: Jenna Loyd, University of Wisconsin-Milwaukee; Becky Mansfield, The Ohio State University; Javier Arbona, UC Berkeley; Juan De Lara, University of Southern California; Laura Liu, The New School

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4410. Issues in Ethnic Geography: Migration, Refugees and Youth (Sponsored by Ethnic Geography Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte; Heike C. Alberts, University of Wisconsin-Oshkosh

CHAIR(S): Kathy Reilly, National University of Ireland Galway, Ireland

12:40 Devon A. Hansen*, University of North Dakota; Jill Shafer, University of North Dakota, *Bhutanese Refugee Resettlement in Grand Forks, North Dakota*.

1:00 Dacia Douhaibi*, York University, *The Benefits of Seeing Refugees as Agents of Peacebuilding and Development Rather than Victims or Security Risks*.

1:20 Nicole Maine*, York University, *Orienting Refugee Youth Moving to Canada: The Potential of Pre-Departure Programs*.

1:40 Kanika Verma*, Texas State University, *Ethnic Group Variances in Geospatial Thinking of Undergraduates in the United States*.

2:00 Kathy Reilly*, National University of Ireland Galway, Ireland; Valerie Ledwith, National University of Ireland Galway, *Migrant Transitions to Tertiary Education: Exploring Contested Discourses of Belonging*.

4411. Ecosystem and Land Cover Mapping Approaches at Regional and Global Scales (Sponsored by United States Geological Survey)

Room: Room 11, TCC, First Floor (Paper Session)

ORGANIZER(S): Roger Sayre, United States Geological Survey; Jon Campbell, United States Geological Survey

CHAIR(S): Jon Campbell, United States Geological Survey

12:40 Roger Sayre*, United States Geological Survey, *Mapping global terrestrial ecosystems at a 250 m spatial resolution from biophysical inputs and using a statistical clustering approach*.

1:00 Kristi L Saylor*, United States Geological Survey; Michelle A Bouchard, InuTeq - Contractor to the USGS; Ryan R Reker, InuTeq - Contractor to the USGS; Aaron M Friesz, Information Dynamics - Contractor to the USGS; Terry L Sohl, United States Geological Survey; Michelle L Knappe, United States Geological Survey; Travis Van Hofwegen, SGT, Inc. - Contractor to USGS, *Backcasting Land Use and Land Cover Change in the United States Great Plains from 1938 to 1992*.

1:20 Benjamin Sleeter*, United States Geological Survey, *Future Projections of Regional Land Use and Fire Disturbances and the impact on Ecosystem Carbon Dynamics*.

This session will feature U.S. Geological Survey (USGS) researchers presenting landscape modeling approaches at regional, national, and global scales as well as through time. Modeling landscapes allows scientists to better discern driving factors in current and historical landscape change and helps them evaluate the widely varied potential of current or projected landscapes for conservation, for agricultural or urban development, and for climate and hydrologic interactions. The presentations will focus on global terrestrial ecosystem mapping, the SilvaCarbon forest monitoring initiative, current and past land cover mapping across the Great Plains, and regional ecosystem disturbance and land carbon mapping across the United States.

4412. Impact of Public Transportation, Landuse, and Walkability (Sponsored by Transportation Geography Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Dylan Coolbaugh

CHAIR(S): Dylan Coolbaugh

12:40 Dylan Coolbaugh*, University of North Carolina at Greensboro; Selima Sultana, University of North Carolina at Greensboro, *Historical Relationships*

Between Landuse Change and Public Transportation.

1:00 Mitchell Langley*, George Washington University; Joseph Dymond, George Washington University; Michael Mann, George Washington University, *Bus rapid transit network coverage in three Andean cities*.

1:20 Jason Earliwine*, UNCG, *Examining Shrinking Cities: A Revitalization of the Rust Belt (A Broad Look Into the Aging Transportation Infrastructure)*.

4413. Eurasia's Environmental, Economic, and Geopolitical Transformations: Part VI, Movements (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut

CHAIR(S): Jeremy Tasch, Towson University

12:40 Sanan Moradi*, Miami University, *Core-periphery economic development and interprovincial migration in Iran*.

1:00 Lola Gulyamova*, *Social Dimension of Spatial Distribution of Population in Uzbekistan*.

1:20 Jerzy Jemioło*, Ball State University, *Back to the Future: Recent Evolution of Central Asia's Airline Network?*.

1:40 Vera Kuklina*, Institute of Geography SB RAS, *Remote areas of Siberia in the age of mobility*.

2:00 Isabel Cane, Dr*, Centre for Social Responsibility and Mining, Sustainable Minerals Institute, University of Queensland, Australia; Phill McKenna, Centre for Mined Land Rehabilitation, Sustainable Minerals Institute, The University of Queensland, Australia; Alex M Lechner, Dr, Centre for Mined Land Rehabilitation, Sustainable Minerals Institute, The University of Queensland, Centre for Environment, University of Tasmania, Australia, *Integrating ethnographic techniques and GIS to assess the impact of large scale coal mines on herder livelihoods in the South Gobi desert, Mongolia..*

4414. Integrating Careers Awareness and Preparedness into the Geography Curriculum (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers

CHAIR(S): Michael N. Solem, Association of American Geographers

Discussant(s): Julie Commerford, Kansas State University; Heather R Houlton, American Geosciences Institute; Ronald Luna, University of Maryland; JoAnn (Jodi) Vender, Pennsylvania State Univ; Rachel Kornak, GeoPivot Magazine; Mark R Hafen, Univ of South Florida

4415. Rivers, deltas, and climate vulnerability I: impacts on river systems (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Climate Change, Coastal and Marine Specialty Group, Water Resources Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Peter Michael Link, University of Hamburg; Jürgen Scheffran, Institute of Geography, University of Hamburg

CHAIR(S): Jürgen Scheffran, Institute of Geography, University of Hamburg

12:40 Peter Michael Link*, University of Hamburg; Jürgen Scheffran, University of Hamburg; Franziska Piontek, Potsdam Institute for Climate Impact Research, *Conflict or Cooperation over a limited Resource: Sharing the Nile waters*.

1:00 Jennifer Veilleux*, Oregon State University, *Mutiple Scales*

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of Human Security Dimensions in Dam Development: a Case of the Grand Ethiopian Renaissance Dam on the Blue Nile River.

1:20 Jacob Petersen-Perlman*, Oregon State University, *Resilience of Transboundary Cooperation Regarding Dam Management in the Zambezi River Basin.*

1:40 David Katz*, University of Haifa; Ram Aviram; Deborah Shmueli, *Desalination as a Game-changer in Transboundary Hydro-politics.*

4416. Geographies of Making/ Making Geographies 3: Politics and Economics

Room: Room 16, TCC, First Floor (Paper Session)
ORGANIZER(S): Harriet Hawkins; Laura Price, Royal Holloway
CHAIR(S): Laura Price, Royal Holloway

12:40 Edward M Jones*, University College London, *Governing creative economies in inner east London.*

1:00 Melanie Fasche*, University of Toronto, *Geographies of power - making value in the creative economy.*

1:20 Alasdair Pinkerton, Ph.D*, Royal Holloway, University of London, *Creative Statecraft and the "Making" of Diplomacy.*

1:40 Narmeen S Hashim*, York University, *The Paint Holds the Place: The Mural Art of Resistance in Oakland, California.*

2:00 Freek de Haan*, Radboud University Nijmegen, *Speculative cartography and the ethology of Arnhem's gentrified Fashion Quarter.*

4417. Geography of Beer: Regions, Environment and Societies (Sponsored by Cultural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Room 17, TCC, First Floor (Panel Session)
ORGANIZER(S): Nancy Hoalst-Pullen, Kennesaw State University; Mark Patterson, Kennesaw State
CHAIR(S): Mark Patterson, Kennesaw State
Panelists: Jay Gatrell, Indiana State University; Nancy Hoalst-Pullen, Kennesaw State University; Steven Schnell, Kutztown University; Samuel Batzli, Univ of Wisconsin-Madison; Andrew Shears, University of Wisconsin-Fox Valley; Toby Applegate, Rutgers

4418. Hydroclimatology III (Sponsored by Climate Specialty Group, Water Resources Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)
ORGANIZER(S): Trenton Ford, Texas A&M University; Christopher Labosier, Texas A&M University; Shanshui Yuan
CHAIR(S): Shanshui Yuan
12:40 Hengchun Ye*, California State University - Los Angeles, *How dose atmospheric water vapor affect precipitation over the Arctic?.*
1:00 Timothy Hawkins*, Shippensburg University, *Modeling the Impact of Climate Change on the Hydroclimatology of the Chesapeake Bay Watershed.*
1:20 Amelie C. Berger*, Environmental Geosciences, Texas A&M University, College Station, TX; Oliver W. Frauenfeld, Geography Department, Texas A&M University, College Station, TX, *Characterization of Throughfall Heterogeneity in a Tropical Pre-Montane Cloud Forest in Costa Rica..*
1:40 Thomas B Williams, PhD*, Western Illinois University, *Unusual Spring Flash Flooding and River Flooding along the Illinois River in Central Illinois in April 2013.*
2:00 Johannes Feddema*, University of Kansas; G Jeelani, University of Kashmir; Cornelis van der Veen, University of Kansas; Leigh Stearns, University of Kansas, *Century time scale and future projections of runoff change in a glaciated watershed of the western Himalaya.*

4419. Anderson Medal Lecture

Room: Room 19, TCC, First Floor (Paper Session)
ORGANIZER(S): Bill Hodge, City of Midland
CHAIR(S): Bill Hodge, City of Midland

4420. Symposium on Synergistic Advances of CyberGIS and Geography: Synergistic Advances of CyberGIS and Data Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)
ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign; Budhendra Bhaduri, Oak Ridge National Laboratory
CHAIR(S): Ming-Hsiang Tsou, San Diego State University
12:40 Eric Shook*, Kent State University; Babak Behzad, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign; Michael Hodgson, University of South Carolina, *Designing a parallel and high-performance computing language for geographic information scientists.*
1:00 Shaowen Wang*, University of Illinois at Urbana-Champaign, *A CyberGIS Framework for Scalable Spatiotemporal Data Analytics.*
1:20 Chaoyi Chang*, the Nelson Institute for Environmental Studies, University of Wisconsin, Madison; Zhiwei Ye, the Nelson Institute for Environmental Studies, University of Wisconsin, Madison, *Land use change classification using a big data approach.*
1:40 Wenwu Tang*, University of North Carolina at Charlotte, *Massively Parallel Spatial Point Pattern Analysis: Ripley's K Function Accelerated Using General-purpose Graphics Processing Units.*
2:00 David Todd*, Pennsylvania State University, *Building an Integrated Web Mapping and Incident Reporting Platform for Volunteer Organizations Using Open Source Technology.*

4421. Race is but one--Examining Violence and Non-Violence in Asia and the Asian Diaspora (Sponsored by Asian Geography Specialty Group, Racism and Violence)

Room: Room 21, TCC, First Floor (Panel Session)
ORGANIZER(S): Vandana Wadhwa, Boston University
CHAIR(S): Nanda Shrestha, Florida A&M University
Introducer: Vandana Wadhwa
Discussant(s): James Tyner, Kent State University
Panelists: Stanley Toops, Miami University; Katherine Brickell, Royal Holloway, University of London; Nanda Shrestha, Florida A&M University

4422. Cognition, Behavior, and Representation - III (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)
ORGANIZER(S): Anthony Robinson, Pennsylvania State University; Robert Roth, UW-Madison
CHAIR(S): Menno-Jan Kraak, ITC
12:40 Menno-Jan Kraak*, University of Twente / ITC; Yanglin Tong, University of Twente / ITC, *Time line cartograms - a schematic approach to understand the narrative of events.*
1:00 M Dolores Arteaga Revert*, UNB; Monica Wachowicz; Trevor Hanson, *Evaluating space-time representations of traffic flow patterns across scales.*
1:20 Amir H Najian*, University of Texas at Dallas, *Spatio-temporal Movement Patterns of Cognitively Impaired Pedestrians: A Study of Wandering Behavior in AD and MCI Patients.*
1:40 Joanna Merson*, Arizona State University, *A Web-Based Approach To Help Researchers Efficiently Identify*

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Effective Space-Time Visualization Techniques.

2:00 SU Y HAN*, *Spatiotemporal Change Of Geographical Awareness in U.S. : Knowledge Discovery from Social Media Messages and Big Data.*

4423. Population Specialty Group: Lifetime Achievement Award for David A. Plane (Sponsored by Population Specialty Group)

Room: Room 23, TCC, First Floor (Panel Session)
 ORGANIZER(S): Rachel S. Franklin, Brown University
 CHAIR(S): Micheline Van Riemsdijk, University of Tennessee
 Introducer: Max Lu
 Discussant(s): Peter Rogerson, SUNY - BUFFALO; Marc J. Perry, U.S. Bureau Of the Census; Rachel S. Franklin, Brown University; Jason Jurjevich, Portland State University; Michael R. Ratcliffe, U.S. Bureau Of the Census
 Panelists: David A Plane, University of Arizona

4424. Critical Artsapes / Resilient Artists: Art and Gentrification Exhibition (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Room 24, TCC, First Floor (Illustrated Paper Session)
 ORGANIZER(S): Viktoria Vona, King's College London
 CHAIR(S): Viktoria Vona, King's College London

4426. Dialogues in Human Geography Annual Forum

Room: Ballroom A, TCC, First Floor (Panel Session)
 ORGANIZER(S): Rob Kitchin, National University Of Ireland
 CHAIR(S): Anssi Paasi, University of Oulu
 Introducer: John Agnew
 Panelists: Farhana Sultana, Syracuse University; Matthew Farish, Department of Geography, University of Toronto; Stuart Elden, University of Warwick; Susan Roberts, University Of Kentucky

4431. Identity, Difference, and Place-Making (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa
 CHAIR(S): Amber E Boykin, The George Washington University
 12:40 Kavitha Ramsamy*, RUTGERS UNIVERSITY, *Between Settler and Native: South African Indians and the Dream of Non-Racialism.*
 1:00 David M Walker*, Ohio Wesleyan University; David M Walker, Ph.D., Ohio Wesleyan University, *Identity and Place in the Costa Chica, Mexico.*
 1:20 Trushna Parekh*, Texas Southern University, *Gentrification, Race Uplift and Belonging in Tremé, New Orleans.*
 1:40 Stephen C McClure*, George Mason University/Wuhan University, *Guangbahu: Dynamic Place-making and Sense of Place.*
 2:00 Amber E Boykin*, The George Washington University, *B'more Creative: Street Art, Identity and Urban (Re) Development in East Baltimore City.*

4432. Digital Geographies, Geographies of Digitalia: Discursive Productions of Digital Space

Room: Room 32, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jen Jack Gieseck, Bowdoin College; Luke Bergmann, University of Washington
 CHAIR(S): Josef Eckert, University of Washington
 12:40 Brittany Cook*, University of Kentucky, *Facts on the Ground: Open Source, Mapping and InfoActivism in Jerusalem.*
 1:00 Blake Hawkins*, University of Northern British Columbia, *Our Little Piece of Heaven: Understanding Conflict over a Women's Recovery Centre.*
 1:20 Anna E Crane*, University of Washington, *We found a love in a hopeless place: text analysis and manipulation on Craigslist missed connections.*

4433. What do contemporary geography student teachers need to know and how should we train them? (Sponsored by Jobs and Careers, Geography Education Specialty Group)

Room: Room 33, TCC, Fourth Floor (Panel Session)
 ORGANIZER(S): Alexander Standish; Mary Fargher
 CHAIR(S): Alexander Standish
 Panelists: Alexander Standish; Mary Fargher; Joseph Stoltman, Western Michigan University; Elizabeth Hinde, Arizona State University; Richard G. Boehm, Texas State University

4434. Remote Sensing Image Classification With Spatial Contextual and Sub-pixel Information

Room: Room 34, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Changshan Wu, University of Wisconsin, Milwaukee
 12:40 Arthur Elmes*, Clark University; John Rogan, Ph.D., Clark University; Gabriel Yarlequé Ipanaqué, Clark University, *Spectral Characterization of Licit and Illicit Mining Activity in the Madre de Dios Region of Peru.*
 1:00 Yingbin Deng*, u of Wisconsin Milwaukee, *Enhancing Endmember Selection in Multiple Endmember Spectral Mixture Analysis (MESMA) for Urban Impervious Surface Mapping Using Spectral Angle and Spectral Distance Parameters.*
 1:20 Adam Wehmann*, Department of Geography, The Ohio State University, Columbus, OH, USA; Jangho Park, Department of Industrial and Systems Engineering, The Ohio State University, Columbus, OH, USA; Qian Qian, Department of Statistics, The Ohio State University, Columbus, OH, USA, *Understanding the Importance of Spectral Energy Estimation in Markov Random Field Models for Remote Sensing Image Classification..*
 1:40 Changshan Wu*, University of Wisconsin, Milwaukee, *Incorporating Spatial-Contextual Information into Remote Sensing Image Classification.*
 2:00 Jose L Silvan-Cardenas, PhD*, Geography and Geomatic Research Center; Nirani Corona-Romero, Master Student, Geography and Geomatic Research Center, *Spectral mixture analysis for subpixel mapping of Coniferous species in the Conservation Land at Mexico City.*

4435. Gentrification of Urban Spaces

Room: Room 35, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Lacy Jo Burgess, University of Oklahoma
 12:40 Sophia K Vanklootwyk-Forde, Undergraduate Student*, UCLA, *The Creative Class in Copenhagen: Urban Planning and the Danish Welfare State.*
 1:00 Jessica Ty Miller*, CUNY Graduate Center, *Productions of Nature: Polluted Protection and Green Gentrification along the Gowanus Canal.*
 1:20 Petra Luetke, University of Muenster*, *Gentrification in German Cities - Much ado about nothing?.*
 1:40 Thurman Smith*, Chicago State University, *Constructive Gentrification: The Informal Housing Policy of West Woodlawn.*
 2:00 Lacy Jo Burgess*, University of Oklahoma, *Dog Parks in the US, trends and types.*

4436. Session I: Urban politics, new urban subjects and neoliberal transitions in Latin America

Room: Room 36, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Carolina Sternberg, DePaul University; Monica Farias, University of Washington; April L Colette, University of Illinois at Urbana-Champaign
 CHAIR(S): Carolina Sternberg, DePaul University
 12:40 Kate Maclean, PhD*, Birkbeck, University of London,

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Social Urbanism and the Politics of Violence: The Medellin Miracle?

1:00 Allison Hayes-Conroy, Ph.D.*, Temple University, *The Body as an Urban Political 'Third Way': Medellin's Legion del Afecto.*

1:20 Juan Pablo Galvis*, SUNY-OldWestbury, *All on the same side? Equality, exclusion and the politics of street vending in progressive Bogota.*

1:40 Carolina Sternberg*, DePaul University, *Neoliberalism, Revanchist Policies, and New Middle Class Sensibilities in Buenos Aires.*

4437. Paleoenvironmental Change Specialty Group Student Meet and Greet (Sponsored by Paleoenvironmental Change Specialty Group)

Room: Room 37, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Tripti Bhattacharya

Discussant(s): Maria Caffrey, University of Colorado Boulder; Tripti Bhattacharya

4439. Institutional Governance of Climate Change Adaptation - 1 (Sponsored by Private/Public Affinity Group, Cultural and Political Ecology Specialty Group, Geographies of Climate Change, Business Geography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Samuel Tang, King's College London; James Porter, University of Leeds

CHAIR(S): Samuel Tang, King's College London

12:40 Christian Kuhlicke, Helmholtz Centre for Environmental Research ? UFZ, Department Urban and Environmental Sociology; David Demeritt*, King's College London, *Risk, uncertainty and the institutional geographies of adaptation to future flooding in England.*

1:00 Samuel Tang*, King's College London, *Reporting, regulation, and the governance of climate change in the U.K..*

1:20 IDOWU AJIBADE, Ph.D*, Western University; Gordon McBean, PhD, Western University, *A discourse analysis of urban planning and adaptation to sea level rise: the example of Eko Atlantic City in Nigeria.*

1:40 Chandni Singh*, University of Reading, *Does adaptation have socio-cognitive limits? Exploring farmer perceptions of adaptive capacity in northwest India.*

2:00 James Porter*, University of Leeds, *No Money, No Action? How Institutions Are Rethinking Climate Adaptation in an Age of Austerity.*

4440. CFP: Wildlife Conservation and Management Session 1 (Sponsored by Animal Geography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Elizabeth Walton, University of South Florida; Rebecca Loraamm

CHAIR(S): Elizabeth Walton, University of South Florida

12:40 Iroko Akoua Abalo, B.S.*, University of Georgia; Diego Paez-Rosas, Ph.D., Universidad de San Francisco de Quito; Fausto O Farmiento, Ph.D, University of Georgia, *Seascapes and Sea Lions: A Multi-Scale Approach to Galápagos Sea Lion (Zalophus wollebaeki) Urban Ecology.*

1:00 Cara Steger*, *Safari Science: Testing Tourists as Researchers in East African Protected Areas.*

1:20 Andrea Presotto*, The University of Georgia; Marguerite Madden, The University of Georgia; Richard Fayer-Hosken, San Diego Zoo, *Geospatial analysis of spatial navigation in African elephants at Kruger National Park, South Africa.*

1:40 Matthew D. Cooney*, University of Northern Iowa, Arctic Social & Environmental Systems Research Laboratory; Andrey N. Petrov, Dr., University of Northern Iowa, Arctic Social & Environmental Systems Research Laboratory; Leonid Kolpashchikov, Extreme North

Agricultural Research Institute (ENARI); Susan Meerdink, University of California Santa Barbara, *Understanding Long-Term Spatiotemporal Dynamics of the Taimyr Reindeer Herd in a Changing Environment.*

4452. Vegetation Dynamics III (Sponsored by Biogeography Specialty Group)

Room: Grand Salon A, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Adam Naito, Texas A&M University; Parveen K Chhetri, Texas A&M University

CHAIR(S): Parveen K Chhetri, Texas A&M University

12:40 Robin D Hargis*, Dept. of Geography University of Missouri; Robin D Hargis, Masters Student, Department of Geography University of Missouri, *Modeling Specie Range Migration in the Rocky Mountains using LANDIS PRO 7.0.*

1:00 Kyle C Rodman, M.S. Candidate*, Northern Arizona University, Ecological Restoration Institute; Andrew Sanchez-Meador, PhD, Northern Arizona University, Ecological Restoration Institute; David William Huffman, PhD, Ecological Restoration Institute, Northern Arizona University, *Reference Conditions and Spatial Dynamics of a Southwestern Mixed Conifer Forest: San Francisco Peaks, Arizona, USA.*

1:20 Daryn Hardwick*, University of Oklahoma; Mikhail Blinnikov, Saint Cloud State University; Heike Lischke, Swiss Federal Institute for Snow, Forest, and Landscape Research, *Minnesota trees under future climate change scenarios by the year 2100: a test of two models.*

1:40 Lei Wang*, University of Maryland College Park; Matthew C Hansen, University of Maryland College Park; Peter V Potapov, University of Maryland College Park, *Causes analysis of global forest loss using an object based method.*

2:00 Thomas Brandt Christiansen*, The University of Texas at Austin; Kelley A Crews, The University of Texas at Austin; Thoralf Meyer, The University of Virginia, *Linking field-derived structural vegetation classes with remotely sensed land cover data for assessing savanna dynamics and disturbances in northwestern Botswana.*

4454. Innovative Methods for Teaching GIS and Cartography (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, Cartography Specialty Group)

Room: Grand Salon C, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Heath Robinson, University of Illinois at Urbana-Champaign

CHAIR(S): Heath Robinson, University of Illinois at Urbana-Champaign

Panelists: Amy Frazier, University at Buffalo; Heath Robinson, University of Illinois at Urbana-Champaign; Sam Copeland, SUNY Buffalo; Joseph Holler, University of Mary Washington; Peter Kedron, Ryerson University; Jeff Howarth

4455. The Geography of Urban Infrastructure III: Infrastructure, planning, and urban growth (Sponsored by China Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology; Rongxu Qiu, University of Lethbridge; Steve Musson, University of Reading

CHAIR(S): Yin Yang, University of Oxford

12:40 Raven Anderson, Master in Urban Planning Candidate*, Harvard University, *Policy Levers and Urban Growth: A Study of Rapid Urbanization and Its Management in Ulaanbaatar, Mongolia..*

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1:00 Rongxu Qiu*, University of Lethbridge; Wei Xu, University of Lethbridge; John Zhang, University of Lethbridge, *Simulating co-evolution of industrial spatial structure and urban land use growth: a case of Shanghai.*

1:20 Cecilia Wong*, University of Manchester; Brian Webb, University of Manchester, *Planning for Infrastructure: Challenges to Northern England.*

1:40 Mark William Baker, Dr. *, University of Manchester; Vivien Holt, Dr, University of Manchester; Stephen Hincks, Dr, University of Manchester, *Strategic Spatial Thinking in Local Infrastructure Planning Practice in Northern England.*

2:00 Sehyung Won*, Seoul National University; Saehoon Kim, Seoul National University, *The Influence of Road Infrastructure on Quality of life: focused on Da Nang, Vietnam.*

4458. Energy Transitions III (Sponsored by Energy and Environment Specialty Group)

Room: Grand Salon G, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

12:40 Shaun Fontanella*, Ohio State University, *Investigating the Use of an Energy Information System to Decrease Electricity Consumption in Multi-Tenant Buildings.*

1:00 Stefan Bouzarovski*, University of Manchester, *From control to coercion: The everyday politics of 'slanty' energy devices.*

1:20 Michael Joseph Dorsch*, The Graduate Center, City University of New York, *Who Is at the Other End of Your Outlet? A Spatial Analysis of Electricity Production in the United States.*

1:40 Kathryn-Louise Meng*, Clark University, *Financing Renewable Energy in an Age of Crisis.*

4459. Conducting Interdisciplinary Research in Biogeography: Practicalities and Pitfalls (Sponsored by Biogeography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Jeremy Johnson

CHAIR(S): Jeremy Johnson

Discussant(s): Jeremy Johnson

Panelists: Scott Markwith, Florida Atlantic University; Sally P. Horn, University Of Tennessee; Alexandra Ponette-González, University of North Texas; Lesley Rigg, Northern Illinois University; John Kupfer, University of South Carolina

4460. The Obesse Child

Room: Grand Salon I, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Yingru Li, Auburn University

CHAIR(S): Yingru Li, Auburn University

12:40 Junfang Chen*, Texas Staet University, *Geographic Analysis of Obesity and Childhood Obesity.*

1:00 Nasim Naghavi*, University of Wilfrid Laurier; Amir Ganjavie, *The impacts of urban built form on the children obesity variation in different neighbourhood.*

1:20 Yongmei Lu*, Texas State University, *Physical Fitness, BMI, Socioeconomic Status, and Academic Performance: An Examination of Texas School Children.*

1:40 Samuel Adu-Prah, PhD*, Sam Houston State University; Tonny Oyana, PhD, Southern Illinois University, *Regionalization of Youth Weight Metrics for Continental United States Using Contiguity Constrained Clustering and Partitioning.*

2:00 Yingru Li*, Auburn University; Leah Robinson, Auburn University, *Childhood Obesity and Food Environment in Alabama's Black Belt Region.*

4461. Political Ecologies of Natural Disasters (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Development Geographies Specialty Group)

Room: Grand Salon J, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Mitul Baruah

CHAIR(S): Mitul Baruah

12:40 Jessica Wilczak*, University of Toronto, *Disasters after disasters: political ecology and post-quake reconstruction in China.*

1:00 Namalie Jayasinghe*, School of International Service, American University; Vidyamali Samarasinghe, School of International Service, American University, *Gendered Vulnerability of Natural Hazards: A Post-Tsunami Case Study Analysis of Sri Lanka.*

1:20 Timothy D. Baird*, Virginia Tech; Clark L. Gray, University of North Carolina at Chapel Hill, *Livelihood Diversification and Shifting Social Networks of Exchange: A Social Network Transition?.*

1:40 Fiona C Wilmot*, Texas A&M, *Disarming Disaster: Agency in the Anthropocene.*

Discussant(s): Daanish Mustafa, King's College, London

4463. Risk as Resource 3

Room: Florida Salon II, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Chris Knudson, Clark University

CHAIR(S): Chris Knudson, Clark University

Panelists: Jessica Dempsey, University of Victoria; Anna Stanley, University of Toronto, Canadian Studies; Chris Knudson, Clark University; Patrick Bigger, University of Kentucky

4464. What Space for the Post-Security State? I: Fragile, Failing, and Tentative Securities (Sponsored by Political Geography Specialty Group)

Room: Florida Salon III, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Jeremy Crampton, University of Kentucky;

Peter Adey, Royal Holloway, University of London

CHAIR(S): Jeremy Crampton, University of Kentucky

Introducer: Jeremy Crampton

Introducer: Peter Adey

12:50 Stephanie Simon*, University of Amsterdam; Julien Jeandesboz, University of Amsterdam, *Failure: A Space for Security Critique?.*

1:10 Kelsy Yeargain*, University of Kentucky, *Teetering on the brink of state failure: An analysis of discourses on Guatemala as security threat.*

1:30 Rhys Machold*, Balsillie School of International Affairs, *Tentative security: educating the market, security 'awareness' and the changing rationalities of the neoliberal Indian state.*

4465. At What Scales Should Sustainability Be Examined, Acted Upon, or Evaluated? (Sponsored by Human Dimensions of Global Change Specialty Group, Scale and Sustainability)

Room: Florida Salon IV, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Thomas Wilbanks, Oak Ridge National Laboratory; Bob Kates, Independent Scholar; Douglas Richardson, Association of American Geographers

CHAIR(S): Rosina Bierbaum, University of Michigan

Panelists: Bob Kates, Independent Scholar; B L Turner II, Arizona State University; Susan Cutter, University of South Carolina; Colin Polsky, Clark University; Lisa Butler Harrington, Kansas State University; Douglas Richardson, Association of American Geographers

4468. Civil Rights Legacy I : Revisiting the Movement (Sponsored by Study of the American South Specialty Group, The American South, Racism and Violence)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Joshua Inwood, University of Tennessee;

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Richard Wright, Dartmouth College; Derek H. Alderman, University of Tennessee

CHAIR(S): Derek H. Alderman, University of Tennessee

12:40 Priscilla McCutcheon*, University of Connecticut, *Fannie Lou Hamer's Freedom Farms and the gendered politics of the Civil Rights movement.*

1:00 Steven R. Holloway*, University Of Georgia; Katherine B. Hankins, Georgia State University; Andy Walter, University of West Georgia, *Building the Beloved Community? Contemporary Christian Efforts in Inner-City Atlanta.*

1:20 Bobby Wilson*, University Of Alabama, *Civil Rights and Consumer Empowerment.*

1:40 Joshua Inwood*, University of Tennessee, *The Roots of Neoliberal Racism: Civil Rights and the Southern Strategy.*

2:00 Claire Bolton*, University of Georgia, *Jim Crow, Martin Luther King, Jr., and the Radical Jesus: Civil Rights Discourses at the Atlanta "Protestant Catholic Worker".*

4469. Turkish Cultural Geography Studies (Sponsored by Geography Faculty Development Alliance (GFDA))

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Saban Celikoglu, Erzincan University; Namik Tanfer Altas, Atatürk University

CHAIR(S): Serhat Zaman, Atatürk University

12:40 Ahmet Cavus*, Atatürk University, *Traditional Wooden Handicrafts Production in Köprübaşı (Trabzon).*

1:00 Alperen Kayserili*, atauni, *Study of Gravestones in the City of Erzurum with Cultural Geography View.*

1:20 Serhat Zaman*, Atatürk University, *Importance of Traditional Sports as Cultural Heritage: Horseman Javelin.*

1:40 Namik Tanfer Altas*, Atatürk University, *Preserving Cultural Values in Urban Transformation: Sample of Erzurum.*

2:00 Saban Celikoglu*, Erzincan University, *The Culture of the Rural Housing of Ulus District.*

4470. Trees in the City 3: Planning and governance of urban vegetation and forests (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR(S): Tenley Conway, University of Toronto

12:40 Alaina Mallette, B. A.*, Syracuse Community Geography, Syracuse University; Jonnell Robinson, Ph. D., Syracuse Community Geography, Syracuse University; Lindsay Woodson, Syracuse University; Hannah Fish, State University of New York College of Environmental Science and Forestry; Trent Fenner, Syracuse University, *A Geographic Analysis of Urban Forestry Efforts in Syracuse, NY.*

1:00 Shawn Landry*, University of South Florida; Robert Northrop, University of Florida, IFAS Extension, *Adopting an adaptive urban forest management plan in Tampa: Was the half-decade long multi-stakeholder plan development process worth the effort?.*

1:20 Katherine Foo*, Clark University, *A Framework for Governing Urban Trees.*

1:40 Brendan L. Lavy, MS*, Texas State University; Ronald R. Hagelman III, PhD, Texas State University, *The Regulatory Landscape of Urban Forestry in Texas.*

2:00 Daniel M Runfola, Ph.D.*, CU:Boulder & National Center for Atmospheric Research; Sara Hughes, Ph.D., National Center for Atmospheric Research, *What Makes Green Cities Unique? Examining the Economic and Political Characteristics of the Grey-to-Green*

Continuum.

4471. Development and Space at China's Frontiers III (Sponsored by China Specialty Group, Asian Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Yang Yang, University of Colorado at Boulder; Galen Murton, University of Colorado, Boulder

CHAIR(S): Galen Murton, University of Colorado, Boulder

12:40 Peiling Zhou*, University of Edinburgh; Michigan State University, *Banquet: a technology of everyday power operation in China.*

1:00 Young Rae Choi*, Ohio State University, *A new frontier for land: the latest coastal land reclamation boom in transforming China.*

1:20 Sarah Rogers*, Department of Resource Management and Geography, University of Melbourne, *The Political Economy of Resource Allocation in China's Poverty Counties.*

1:40 Jennifer YJ Hsu*, University of Alberta, *The Impact of the Central and Local States in the Internationalisation of Chinese NGOs.*

Discussant(s): Afton Clarke-Sather, University of Delaware

4472. Perspectives on Migration Patterns in the United States (Sponsored by Population Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Nancy K. Torrieri, U.S. Bureau Of the Census

CHAIR(S): Richelle Winkler, Michigan Tech University

12:40 Richelle Winkler*, Michigan Tech University; Kenneth M Johnson, University of New Hampshire, *Reducing Segregation? Migration Patterns by Age & Race/ Ethnicity across the Urban Hierarchy.*

1:00 Hu Wang*, University of South Carolina; Diansheng Guo, Dr., University of South Carolina, *US Internal Migration Flow Patterns between Metropolitan Statistical Areas by Age Groups.*

1:20 Kyle Walker*, Texas Christian University, *Destination choices of 'baby boomer' migrants in U.S. metropolitan areas.*

1:40 Zengwang Xu*, University of Wisconsin - Milwaukee, *Spatial and Temporal Patterns in the County Age, Sex, Race, and Ethnicity Specific Net Migration in the United States 1950-2010.*

2:00 Leanne Purdum*, University of Georgia, *The Immigrant as the Problem, Law as the Solution: An Analysis of Georgia House Bill 87.*

4473. Spatial Epidemiology VI: spatial modeling (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Eric Delmelle, UNC-Charlotte; Tijs Neutens, Ghent University

CHAIR(S): Xun Shi, Dartmouth College

12:40 Timothy C Matisziw*, University of Missouri - Columbia; Charles H Nilon, University of Missouri - Columbia; Sonja Wilhelm-Stanis, University of Missouri - Columbia; Joseph LeMaster, Kansas State University; Jane A McElroy, University of Missouri - Columbia; Stephen P. Sayers, University of Missouri - Columbia, *Exploring Spatio-temporal Relationships between Physical Activity the Urban Environment.*

1:00 Meifang Li*, Sun Yat-sen University; Xia Li, Sun Yat-sen University; Xun Shi, Dartmouth University; Xiaoping Liu, Sun Yat-sen University, *Spatial variation and temporal dynamics of incidence and mortality of common cancers in China during 2003-2009.*

1:20 Christian Schuster*, Humboldt-Universität zu Berlin; Tobia Lakes, Humboldt Universität zu Berlin, *Spatial*

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patterns of heat stress and risk factors in Berlin.

- 1:40** Xun Shi, Ph.D.*, Dartmouth College; Elijah Stommel, MD, Geisel School of Medicine at Dartmouth; Tracie A. Caller, MD, Geisel School of Medicine at Dartmouth; Dongmei Wang, MS, Department of Geography, Dartmouth College; Dominic L. Filiano, Geisel School of Medicine at Dartmouth; Walter Bradley, MD, University of Miami/Miller School of Medicine, *Detecting spatial association between ALS disease and cyanobacteria in water bodies in Florida.*

- 2:00** Alemayehu A. Midekisa*, Geospatial Sciences Center of Excellence (GSCE), South Dakota State University, Brookings, SD, USA; Michael C. Wimberly, Geospatial Sciences Center of Excellence (GSCE), South Dakota State University, Brookings, SD, USA; Gabriel B. Senay, US Geological Survey Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD, USA, *Mapping Wetland Habitats for Malaria Vectors using Multi-Sensor Satellite Observations.*

4474. Geographies of Media 11: Filmic Geographies

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

ORGANIZER(S): John Finn, Christopher Newport University;

Joseph Palis, North Carolina State University

CHAIR(S): Altha Cravey, University Of North Carolina

- 12:40** Scarlett Marklin, Graduate*, Western Kentucky University, *A Cultural Geographical Analysis of "IP Man".*

- 1:00** Geoffrey D Algar, B.A. UCLA History 2010*, The Ohio State University, *Urbanization, Food, and Gender Performance in Yiddish Film.*

- 1:20** Hatim El Hibri, Ph.D*, NYU, *The Before/After Shot: Ruins, Money, and the Work of Images in Postwar Beirut.*

Discussant(s): Joseph Palis, North Carolina State University

4478. Legal-Financial Geographies III: Financial Strategy and the Manipulation of Legal Space (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Shaina Potts, UC Berkeley Geography; Sarah Knuth, UC Berkeley

CHAIR(S): Sarah Knuth, UC Berkeley

- 12:40** Leqian Yu*, University of Toronto, *Clientization of peasants: the role of collateral in China's rural financial sector.*

- 1:00** Andrew Jones*, City University London, *The Production of Legal-financial 'nexus' space: The case of Chinese foreign inward investment.*

- 1:20** Sharon C. Cobb*, University of North Florida, *Sovereignty, Regulation and Compliance for Small Island Offshore Financial Centers: How legal and regulatory infrastructures influence jurisdictional reputation..*

- 1:40** Shaina Potts*, UC Berkeley Geography, *Producing the Center: Law, Space and Power in New York City's Rise to Financial Dominance.*

Discussant(s): Christopher Muellerleile, University of Wisconsin-Madison

4479. Building the Body of Climate Knowledge (Sponsored by Climate Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Panel Session)

ORGANIZER(S): John Harrington Jr, Kansas State University

CHAIR(S): John Harrington Jr, Kansas State University

Panelists: Adam Burnett, Colgate University; Richard W Dixon, Texas State University; Ian Howard, Kansas State University; Cary Mock, University of South Carolina; Steve LaDochy, California State University Los Angeles; John Harrington Jr, Kansas State University

4480. AAG Long-range plan

Room: Meeting Room 11, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Kenneth E. Foote, University of Connecticut

Panelists: Sara McLafferty, University of Illinois; Jeremy Mennis, Temple University; JW Harrington, University of Washington Tacoma; Eric Sheppard, AAG Past President, University of California, Los Angeles

The AAG is in the process of revising and updating its long-range plan. This session will overview the update process and seek input from AAG members.

4481. Applied community research at the interface of Indigenous land, health and cultural identity (Sponsored by Indigenous Peoples Specialty Group)

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Chantelle Richmond, The University of Western Ontario; Joshua K Tobias, University of Western Ontario

CHAIR(S): Chantelle Richmond, The University of Western Ontario

- 12:40** Hannah Tait Neufeld, PhD*, Western University, *Using Community-based Approaches to Engage First Nation Women in Traditional Food Systems Research.*

- 1:00** Cindy Smithers Graeme, B.A., M.A*, Western University, *Indigenous Health Research and the non-Indigenous Researcher: A Proposed Framework for the Autoethnographic Methodological Approach.*

- 1:20** Joshua K Tobias*, University of Western Ontario; Chantelle A.M Richmond, PhD, University of Western Ontario, *From Research to Action: CBPR on the North Shore of Lake Superior.*

4482. Labour geography and migrant work 1 (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Siobhán Mcphee, University of British

Columbia; Ben Rogaly, University of Sussex; Michelle Buckley, University of Toronto Scarborough

CHAIR(S): Siobhán Mcphee, University of British Columbia

- 12:40** Claire Major*, York University, *Liminal persons: unwrapping work-life-space tensions of camp workers in Alberta's oil sands.*

- 1:00** Jonathan Mann Burkhart, PhD*, University of Wisconsin - Whitewater, *Intervening in the "Skills Gap" vs "Wage Gap" Debate: The role of recent migrants in Milwaukee's labor market segmentation.*

- 1:20** Michael Husebo*, University of Georgia, *Migration and working-class activism in the poultry complex of Northern Georgia.*

- 1:40** Linn Axelsson, FD, Stockholm University; Qian Zhang, Stockholm University; Charlotta Hedberg, Ass Prof, Stockholm Universitet; Bo Malmberg, Prof*, Stockholms Universitet, *On Tempos, Work Time and Imagined Futures: Theorizing the Times and Temporalities of Trecarity among Chinese Workers in the Swedish Restaurant Industry.*

Discussant(s): Ben Rogaly, University of Sussex

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4501. World Regional Geography: Strategies for effectively teaching the World in a lower division classroom (Part 2) (Sponsored by Geography Education Specialty Group, Community College Affinity Group)

Room: Room 1, TCC, First Floor (Panel Session)
 ORGANIZER(S): Karen D. Johnson-Webb, Bowling Green State University; Sarah Goggin
 CHAIR(S): Karen D. Johnson-Webb, Bowling Green State University
 Panelists: Karen D. Johnson-Webb, Bowling Green State University; Jessica R Barnes, The Ohio State University; Suzanne B Dickens, Poudre School District; Sarah Goggin; Joseph Hinton, Harold Washington College; Cathleen McAnney, University Of Maine Farmington

4503. How can we make agent-based models more relevant? (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 3, TCC, First Floor (Panel Session)
 ORGANIZER(S): Steven M. Manson, University Of Minnesota; David O'Sullivan, University of California, Berkeley
 CHAIR(S): Tom Evans, Indiana University
 Panelists: Andrew Crooks, George Mason University; Li An, San Diego State University; Sara Metcalf, University at Buffalo (SUNY); Nicholas Magliocca, National Socio-Environmental Synthesis Center; Moira Zellner, University of Illinois at Chicago

4504. Labour Dynamics of Agrarian Change (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Room 4, TCC, First Floor (Paper Session)
 ORGANIZER(S): Lincoln Addison, Dalhousie
 CHAIR(S): Lincoln Addison, Dalhousie
 2:40 Lincoln Addison, Dr.*, Dalhousie University; Matthew Schnurr, Dr., Dalhousie University, *Genetically Modified Crops and the Gendered Labour Process in Uganda*.
 3:00 Regina Hansda*, University of Cambridge, UK, *System of Rice Intensification (SRI) and the Shifting Dynamics of Gender and Labour in Bihar in Eastern India*.
 3:20 Joshua J Ramisch, (Associate Professor)*, University of Ottawa, *Lost in transition: Cellphones, multilocal livelihoods, and agrarian change in western Kenya*.
 3:40 Kuntala Lahiri-Dutt*, The Australian National University, *Extractive peasants: Rushing for a livelihood*.
 4:00 Chris D Huggins*, Carleton University, *A Disciplined Revolution: the intensification of state control over smallholder agricultural production in Rwanda's 'Green Revolution'*.

4505. Environmental Justice Research: Contemporary Issues and Emerging Topics III (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group)

Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Timothy Collins, University of Texas - El Paso
 CHAIR(S): Sara Grineski, University of Texas at El Paso
 2:40 Juliana Maantay, Ph.D., M.U.P.*, Lehman College/CUNY, *The Collapse of Place: Environmental Health Inequities in Glasgow, Scotland*.
 3:00 Sofia Eloise De Anda*, University of Texas - El Paso; Sara Grineski, University of Texas - El Paso; Timothy Collins, University of Texas - El Paso, *Health and Environmental Justice in Houston and Miami: A mixed method approach*.
 3:20 Florence M. Margai, PhD.*, Binghamton University;

Marie DeFeo, Syracuse University; Martha Nelson, RN.MS, United Health Services; James Hayes, M.D, United Health Services, *Geospatial Analysis of Oncological Data: A Community Hospital's Pathway to Environmental Health Sustainability*.

3:40 Yolanda J McDonald*, Texas A&M University; Sara E Grineski, PhD, The University of Texas at El Paso; Timothy W Collins, PhD, The University of Texas at El Paso; Young-An Kim, MA, University of California Irvine, *A scalable model for assessing incidence, treatment costs, and socio-spatial disparities for diseases with well-documented climate change linkages*.

4:00 Bright S Addy*, Central University College; Reginald NK Gyapong, Central University College; Marc Dziradosi, Central University College; Samuel S Sineka, Central University College, *Assessment of Safety Practices of Rural Ghanaian Farmers during Routine Handling of Pesticides - The Case of Farmers in Tsopoli..*

4506. FQG: World, City, Queer (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)
 ORGANIZER(S): Natalie Oswin, McGill University
 CHAIR(S): Natalie Oswin, McGill University
 2:40 Natalie Oswin*, McGill University, *The queer politics of global urbanism*.
 3:00 Martin Manalansan*, University of Illinois, *Queer Worldings: The Messy Art of Being Global in Manila and New York*.
 3:20 Ju Hui Judy Han*, University of Toronto, *Queer (im) mobilities and Christian (in)hospitalities*.
 3:40 Phil Hubbard*, University of Kent, *Welcoming the world? Sexuality, hospitality and homonationalism at the London 2012 Olympics*.

4507. Publishing for Non-Native Speakers of English II

Room: Room 7, TCC, First Floor (Panel Session)
 ORGANIZER(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign; Eric S. Sheppard, UCLA
 CHAIR(S): Eric S. Sheppard, UCLA
 Discussant(s): György Csomós, University of Debrecen; Annelies Zoomers, Utrecht University; Canfei He, Peking University; Henry Yeung, National University of Singapore; Bruce Braun, University of Minnesota - Minneapolis; Kent Mathewson, Louisiana State University; Joseli Maria Silva, University of State of Ponta Grossa - Paraná - Brazil

4508. Regional Climatology I (Sponsored by Climate Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)
 ORGANIZER(S): Brandon Vogt, University of Colorado Colorado Springs
 CHAIR(S): Brandon Vogt, University of Colorado Colorado Springs
 2:40 Maria Caffrey*, University of Colorado Boulder; Rebecca L. Beavers, National Park Service; Andrew J. Forget, University of Colorado Boulder, *Planning for Climate Change in Coastal National Parks: Sea Level Rise and Storms*.
 3:00 Brent C. Hedquist, Ph.D.*, Texas A&M University-Kingsville, *Analyzing and mapping the urban heat island in a small, semi-arid South Texas city*.
 3:20 James Elsner*, Florida State University, *Tornado Intensity Trends: Regional Variation in the United States*.
 3:40 Megan White*, University of Kentucky; Jon Anthony Stallins, University of Kentucky, *Associating Severe Thunderstorm Warnings with Demographic and Landscape Variables: A Geographically Weighted*

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Regression-Based Mapping of Forecast Bias.

- 4:00** Brandon J. Vogt, PhD*, University of Colorado Colorado Springs; Stephen Hodanish, MS Meteorology, NOAA / NWS, Pueblo, CO, *Colorado's Lightning Climatology: Linkages between Lightning and Topographic Texture.*

4509. FQG Gender-based violence: space, scale and intersectionality (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 9, TCC, First Floor (Paper Session)

ORGANIZER(S): Rachel Pain, University of Durham; Sara Kindon, Victoria University of Wellington

CHAIR(S): Rachel Pain, University of Durham

- 2:40** Katherine Brickell, Dr*, Royal Holloway, University of London, *Towards Intimate Geographies of Peace? Local Reconciliation of Domestic Violence in Cambodia.*

- 3:00** Dana Cuomo*, Pennsylvania State University, *Policing Citizenship: Intimate Partner Violence and the State Response.*

- 3:20** Amy Piedalue*, University of Washington, *Theorizing Violence across Scale: Transnational Narratives of "Community" and Domestic Violence.*

- 3:40** Sara Kindon, Dr*, Victoria University of Wellington; Priyanca Radhakrishnan, Ms, Ministry of Women's Affairs, New Zealand, *Unholy Matrimony: Forced Marriage in Aotearoa New Zealand.*

4510. Issues in Ethnic Geography: Neighborhood, Enclave, Community (Sponsored by Ethnic Geography Specialty Group)

Room: Room 10, TCC, First Floor (Paper Session)

ORGANIZER(S): Heather Smith, University of North Carolina at Charlotte; Heike C. Alberts, University of Wisconsin-Oshkosh

CHAIR(S): Sara A. Sobrino, Texas State University

- 2:40** Jongnam Choi*, Western Illinois University, *Residential Distribution of Korean American in Chicago.*

- 3:00** Sukjoon Lee*, Graduate School of Environmental Studies, Seoul National University, *Formation and Growth of Korean-Chinese Ethnic enclaves in Seoul, South Korea.*

- 3:20** Janine Rose*, York University, *Spatializing Community Identities: Jamaican Immigrants in the GTA.*

- 3:40** Zhixin Feng*, Centre for Research on Ageing, University of Southampton; Athina Vlachantoni, Centre for Research on Ageing and ESRC Centre for Population Change, University of Southampton; Maria Evandrou, Centre for Research on Ageing and ESRC Centre for Population Change, University of Southampton; Jane Falkingham, Centre for Research on Ageing and ESRC Centre for Population Change, University of Southampton, *Neighbourhood effects and pension protection amongst ethnic minorities in England and Wales.*

- 4:00** Sara A. Sobrino*, Texas State University, *Surfacing the Ethnicization of Space: A Comparison of Subdivision Infrastructure in South Texas.*

4511. Open GIS: Problems and prospects (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Esri, Spatial Analysis and Modeling Specialty Group)

Room: Room 11, TCC, First Floor (Panel Session)

ORGANIZER(S): Daniel Sui, The Ohio State University; Serge Rey, Arizona State University

CHAIR(S): Serge Rey, Arizona State University

Discussant(s): Michael Gould, Esri

Panelists: Carson J. Q. Farmer, Hunter College - CUNY; Ningchuan Xiao, The Ohio State University; May Yuan, Univ of Oklahoma; Paul Longley, University College London; Rina Ghose, University Of Wisconsin Milwaukee

4512. Eurasia's Environmental, Economic, and Geopolitical Transformations: Part VII, Imaginaries (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University

CHAIR(S): Nathaniel Trumbull, University of Connecticut

- 2:40** Benjamin D. Christian*, University of Alaska Fairbanks Geography and Northern Studies, *There's a Reason They Live Out There: Imagining Alaska's End-Of-The-Road Communities as Landscapes of Fear.*

- 3:00** Kristopher D. White*, KIMEP University, *The Snow Leopard in Kazakhstan: Nature, Culture, and Landscape.*

- 3:20** Austin Charron*, University of Kansas, *Siberia Rising: Territory, Institutions, and Regional Identity.*

- 3:40** Jeremy Tasch*, Towson University; Philip E. Steinberg, Durham University; Hannes Gerhardt, University of West Georgia, *Frozen, Changing, and (increasingly) Accessible: Comparative Indigenous Perspectives on the "Normalising" Arctic.*

4513. Ukraine Roundtable (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group)

Room: Room 13, TCC, First Floor (Panel Session)

ORGANIZER(S): Benjamin Forest, McGill University; Jeremy Tasch, Towson University

CHAIR(S): Jeremy Tasch, Towson University

Introducer: Jeremy Tasch

- 2:48** Alexander Murphy, University of Oregon

- 3:11** Andrew Ryder, University of Portsmouth

- 3:34** John O'Loughlin, University of Colorado

- 3:57** Ralph S. Clem, Florida International University

4514. You're Hired: Tips and Tricks for Impressive Resumes and Portfolios (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Mark Revell, Association of American Geographers; Rachel Kornak, GeoPivot Magazine

CHAIR(S): Rachel Kornak, GeoPivot Magazine

Discussant(s): Rachel Kornak, GeoPivot Magazine

4515. Rivers, deltas, and climate vulnerability II: impacts on deltas and coastal regions (Sponsored by Geographies of Climate Change)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Jürgen Scheffran, Institute of Geography, University of Hamburg; Peter Michael Link, University of Hamburg

CHAIR(S): Peter Michael Link, University of Hamburg

- 2:40** Jürgen Scheffran*, Institute of Geography, University of Hamburg, *Vulnerability and Resilience of River Deltas to Sea-level and Climate Change.*

- 3:00** Nathan Vogt, PhD*, National Institute of Space Research; Miguel Pinedo-Vasquez, PhD, Earth Institute, Columbia University; Eduardo Brondizio, PhD, Indiana University; Katia Fernandes, PhD, International Research Institute for Climate and Society; Oriana Almeida, PhD, Federal University of Para; Sergio Rivero, PhD, Federal University of Para; Fernando Ribeiro, MS, IEPA; Yue Dou, PhD Candidate, University of Waterloo; Peter Deadman, PhD, University of Waterloo, *Patterns of Riverine Farmer Perceptions and Responses to Flood Regime Changes Across the Amazon Estuary.*

- 3:20** Mohammad M M Alsahli*, Kuwait University; Ahmed M AlHasem, Kuwait University, *Vulnerability of Kuwait Coast to Sea-Level Rise.*

- 3:40** Matthias Garschagen*, United Nations University, Institute

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for Environment and Human Security, *Risky Change? Vietnam's Urban Disaster Risk Governance between Climate Dynamics and Transformation.*

4516. Researching the lifecourse: time, space and mobilities I (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Nancy Worth, McMaster University; Irene Hardill, Northumbria University

CHAIR(S): Janice Monk, University of Arizona

2:40 Nathaniel Lewis*, University of Nottingham, *Moving 'Out,' Moving On: Migration and Well-Being in the Gay Life Course.*

3:00 Arielle Hesse*, Penn State, *Generational Understandings of Risk: Gendered Landscapes of Work in Pennsylvania's Marcellus Shale Natural Gas Industry.*

3:20 Michael J Richardson*, Newcastle University, *Irish Incarnate: differing levels of identity and belonging across generations of men of Irish descent.*

3:40 Sophia R Bowlby*, University of Reading; Caroline Day, University of Reading, UK, *Researching the 'personal communities' of women in their fifties: emotions, disclosures and reflexivity.*

4:00 Irene Hardill*, Northumbria University, *"I imagine I can't do it so I won't do it?" understanding older people's interaction with online public services.*

4517. Economic and social benefits of farmers markets, CSAs, and food hubs (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): LaDona Knigge, California State University, Chico

CHAIR(S): LaDona Knigge, California State University, Chico

2:40 Erin Adams*, University of Georgia, *Geography Education and the Farmers Market.*

3:00 Crystiana Baca-Bosiljevac*, University of New Mexico, *Farmers, Resilience, and the Future of Smallholder Farms in Albuquerque.*

3:20 LaDona Knigge, PhD*, California State University, Chico; LaDona, California State University Chico, *Social networks and farm and household strategies of small farmers in Northern California.*

3:40 Lucius Hallett, IV*, Western Michigan University; Gregory Veeck, Western Michigan University; Ann Veeck, Western Michigan University; Deborah Che, Southern Cross University, *Specialty Crop Agri-Tourism: Enhancing Michigan's Competitiveness.*

4:00 Allison Brown*, Univ of Arizona, Univ. of Massachusetts, *Consider the rules: Does management style affect farmers market success?.*

4518. Geography Education Policy Initiatives

Room: Room 18, TCC, First Floor (Panel Session)

ORGANIZER(S): John Wertman, Association of American Geographers

CHAIR(S): John Wertman, Association of American Geographers

4519. Human Impacts on Watershed Processes I (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

2:40 Franklin T. Heitmuller, Ph.D., RPG*, The University of Southern Mississippi; Paul F. Hudson, Ph.D., Leiden University, The Netherlands, *Hydrologic and Lithologic Controls on Bankfull and Macro-Channel*

Morphology in the Llano River Watershed, Central Texas, USA.

3:00 He Jin*, East Stroudsburg University; Shixiong Hu, East Stroudsburg University, *Study on the impact of water temperature increase on cold water fish in Brodhead Watershed, NE Pennsylvania.*

3:20 Xin Hong*, University of Northern Iowa; Bingqing Liang, University of Northern Iowa, *Monitoring and Predicting Land Use and Land Cover Change on Cedar River Watershed of Iowa for the Next 30 Years.*

3:40 Eric Bernsten*, Kalispel Natural Resources Department, *The Use of Geomorphic-Based Approaches to Protect Aquatic Ecosystems on Kalispel Aboriginal Lands in North Idaho, USA.*

4:00 Chen Wang*, Southern Illinois University Carbondale; Tonny Oyana, Southern Illinois University Carbdale, *Simulation and Evaluation of AnnAGNPS pollution model for Organophosphate Pesticides Prediction in an Agriculturally Dominated Watershed.*

4520. Symposium on Synergistic Advances of CyberGIS and Geography: Cloud Computing for GIScience (Sponsored by Cyberinfrastructure Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): Qunying Huang, George Mason University; Jing Li, University of Denver; Zhenlong LI

CHAIR(S): Qunying Huang, George Mason University

2:40 Qunying Huang*, University of Wisconsin-Madison, *Accelerating Geocomputation with Cloud Computing.*

3:00 Chih-Hong Sun, Department of Geography, National Taiwan University; Rong-Kang Shang*, Department of Geography, National Taiwan University; Joe-Air Jiang, Department of Bio-Industrial Mechatronics Engineering, National Taiwan University; Jehn-Yih Juang, Department of Geography, National Taiwan University; Tzai-Hung Wen, Department of Geography, National Taiwan University, *Framework of a Spatially-enabled Intelligent City.*

3:20 Bradley Shellito*, Youngtown State University, *Using the Geospatial Cloud (For Free).*

Discussant(s): Jing Li, University of Denver

4521. Race and Space in America and its Margins (Sponsored by Socialist and Critical Geography Specialty Group, Racism and Violence)

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): James Smith, Towson University

2:40 Kate B Schlott*, CUNY Graduate Center, *Racialized Space: The Role of Race in Everyday Hawaii.*

3:00 Benjamin Forest*, McGill University, *Space and Race in Affirmative Action: Fisher v. University of Texas at Austin.*

3:20 Reuben Allen*, Indiana State University, Ball State University, *Spatial Dimensions of Race in Bayamon, Puerto Rico: An Alternative Method to Enumeration.*

3:40 Michelle Palma*, University of Wisconsin-Waukesha, *Performing the beach: a study on the racialization of beaches along the Los Angeles coast.*

4:00 James Smith*, Towson University, *Chinese American Ethnogenesis: Creating New Identities and Boundaries.*

4522. Cognition, Behavior, and Representation - IV (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Anthony Robinson, Pennsylvania State University; Robert Roth, UW-Madison

CHAIR(S): Amy Griffin, University of New South Wales

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- Canberra
- 2:40** Sara Irina Fabrikant*, University of Zurich; Flavien Rouiller, University of Zurich, *E-motive map displays*.
- 3:00** Stacy Rebich Hespanha*, University of California, Santa Barbara; João P. Hespanha, University of California, Santa Barbara, *Using Cartographic Design Principles to Support Accurate Interpretation of Self-Organizing Map (SOM)-Based Visualizations of Text Corpora*.
- 3:20** Huanyang ZHAO*, Department of Geography, Kent State University; Jay Lee, Department of Geography, Kent State University; Xinyue Ye, Department of Geography, Kent State University, *An Exploration of Chinese Feng-Shui*.
- 3:40** Sebastien Caquard*, Concordia University, *A Post-Representational Perspective on Cognitive Cartography*.
- 4:00** Ian Muehlenhaus*, University of Wisconsin - La Crosse, *Crossing the Line: Adapting Film Theory to Analyze Map Narrative, Form, and Aesthetic*.
- 4523. Changing patterns in health care systems: for better, for worse? (Sponsored by Asian Geography Specialty Group, Health and Medical Geography Specialty Group)**
Room: Room 23, TCC, First Floor (Paper Session)
 ORGANIZER(S): Emmanuel Eliot, CNRS/Universite Du Havre(France); Vandana Wadhwa, Boston University
 CHAIR(S): Vandana Wadhwa, Boston University
2:40 Amanda Richard*, Florida State University; Mark Horner, Florida State University, *The Effect of Health Care Resource Placement on Increasing Health Insurance Coverage*.
3:00 Emmanuel Eliot*, UMR IDEES, *Analysing health-care shifts from a relational approach: case study in India*.
3:20 Dr. Dhanashree. Suresh Shinde*, Shivaji University, *Changing Patterns in Health Care Systems in Coastal Districts of Southern Maharashtra*.
3:40 Annalisa Brambini*, Aalborg University, *Reforming the governance of Chinese hospitals: Exploring the relevance of the networked governance approach*.
 Discussant(s): Mark W Rosenberg, Queen's University
- 4524. Development Geographies: Scales, Directions, Visions (Sponsored by Development Geographies Specialty Group)**
Room: Room 24, TCC, First Floor (Panel Session)
 ORGANIZER(S): Farhana Sultana, Syracuse University
 CHAIR(S): Farhana Sultana, Syracuse University
 Introducer: Farhana Sultana
 Introducer: Trevor Birkenholtz
 Discussant(s): Kathleen O'Reilly, Texas A&M University
 Panelists: Daanish Mustafa, King's College, London; Margaret Wilder, University of Arizona; Waquar Ahmed, University of North Texas
- 4526. Tobler Lecture**
Room: Ballroom A, TCC, First Floor (Panel Session)
 ORGANIZER(S): John Rogan, Clark University
 CHAIR(S): John Rogan, Clark University
- 4529. Annual CAPE Plenary Lecture, by Karl Zimmerer (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Ballroom D, TCC, First Floor (Paper Session)
 ORGANIZER(S): Gregory Simon, University of Colorado Denver
 CHAIR(S): Gregory Simon, University of Colorado Denver
 Discussant(s): Karl Zimmerer, Pennsylvania State University
- 4530. Publishing, not perishing: A student's guide to academic publishing (Sponsored by Jobs and Careers, Graduate Student Affinity Group)**
Room: Room 30A, TCC, Fourth Floor (Panel Session)
- ORGANIZER(S): Zia Salim, San Diego State University / University of California, Santa Barbara; Kalli Doubleday, University of Texas at Austin
 CHAIR(S): Zia Salim, San Diego State University / University of California, Santa Barbara
 Discussant(s): Nicholas J Crane, The Ohio State University
 Panelists: Ryan Burns, University of Washington; Molly Polk, University of Texas at Austin; Steven Schnell, Kutztown University
- 4531. Uneven Geographies of Gender and Development (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: Room 31, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa
 CHAIR(S): Nuratu Muhammad, Bayero University Kano
2:40 Sudarshana Bordoloi*, York University, *Class, Gender and Space Relations in the Context of Rural Development in India*.
3:00 Remi Alapo, Ph.D*, Global Management Consulting, *Gender Relations of Space: impact on women's leadership in Nigeria*.
3:20 Amy Panikowski, PhD candidate*, University of Florida, *Woven Livelihoods: Women's access to and use of Juncus kraussii in KwaZulu-Natal, South Africa*.
3:40 Nuratu Muhammad, PhD*, Bayero University Kano, *Management of Domestic Water by Rural women in part of Kano State Nigeria*.
- 4532. Geospatial Data and Geographic Information for Decision Making: Examples from the Census Bureau and Oak Ridge National Laboratories**
Room: Room 32, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Michael R. Ratcliffe, U.S. Bureau Of the Census
 CHAIR(S): Michael R. Ratcliffe, U.S. Bureau Of the Census
2:40 Melanie Phillips*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Anil Cheriyyadat, Oak Ridge National Laboratory; Raju Vatsavai, Oak Ridge National Laboratory, *An Innovative Change Detection Method for Monitoring Urbanization*.
3:00 Harini Sridharan*, Oak Ridge National Laboratory; Anil Cheriyyadat, Oak Ridge National Laboratory; Dilip R Patlolla, Oak Ridge National Laboratory; Jiangye Yuan, Oak Ridge National Laboratory; Jeanette E Weaver, Oak Ridge National Laboratory; Vincent C Paquit, Oak Ridge National Laboratory; Eddie A Bright, Oak Ridge National Laboratory, *SMTool - A scalable remote sensing solution for locating population*.
3:20 Michael R. Ratcliffe*, U.S. Bureau Of the Census, *Research and Modeling to Support the Selective Address Canvassing Decision for the 2020 Census*.
3:40 Shonin Anacker*, U.S. Bureau Of the Census, *How do you know where you do not need to go?: Data and Methodology for targeting Census address canvassing*.
- 4533. Doing Geography: Fieldwork, Research, and Teaching (Sponsored by Cultural Geography Specialty Group)**
Room: Room 33, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Jeffrey Widener, The University of Oklahoma; Douglas Hurt, University of Missouri
 CHAIR(S): Jeffrey Widener, The University of Oklahoma
2:40 Jeffrey Widener*, The University of Oklahoma; Gary Gress*, The University of Oklahoma, *Engaging K-12 Teachers in Geography: Examples from an Oklahoma Alliance for Geographic Education Field Institute*.
3:00 Larry Kleitches, Bloomsburg University of Pennsylvania; Larry Kleitches*, Texas State University-San Marcos, *Geography Crashers: Using Popular Media to Teach Cultural Geography*.
3:20 Darrel L. McDonald, Ph.D.*, Stephen F Austin State

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University; Jeffery E. Roth, Ph.D., Stephen F. Austin State University, *Mapping Cemeteries: Integrating Geography Teaching, Training and Community Outreach.*

3:40 Ashley Allen*, Louisiana State University, *Alaskan Ghost Ships and Narrative Landscapes of Memory.*

4:00 Adam Payne*, Oklahoma State; Douglas Hurt*, University of Missouri, *Narratives of the Mother Road: Geographic Themes Along Route 66.*

4534. Remote Sensing Techniques

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anthony Filippi, Texas A&M University

2:40 Sarah J Graves, MS student*, University of Florida, School of Forest Resources and Conservation; Matthew S Colgan, PhD, University of Florida, School of Forest Resources and Conservation; Gregory P Asner, PhD, Institution for Science, Dept of Global Ecology; Stephanie A Bohlman, PhD, University of Florida, School of Forest Resources and Conservation, *Aerial Insights into Tree Species Diversity in a Tropical Agricultural Landscape.*

3:00 Jarom Randall*, Texas A&M University; Anthony M. Filippi, Ph.D, Texas A&M University; Inci Güneralp, Ph.D, Texas A&M University, *Landsat and SPOT satellite-based estimation of riparian aboveground biomass.*

3:20 Bohua Ling*, *Estimating leaf nitrogen content of mixed grass species using PROSPECT model.*

3:40 CHAO WEI*, East China Normal University; Shufeng Ye, East China Sea Center of Environment Monitoring; Jianping Wu, East China Normal University; Zhongyang Guo, East China Normal University; Bolang Yu, East China Normal University, *Regression Analysis between Regional Integrated Carrying Capacity and Landscape Ecology indices.*

4:00 Anthony M. Filippi*, Texas A&M University; Inci Güneralp, Texas A&M University; Jarom Randall, Texas A&M University, *Hyperspectral aboveground biomass estimation in a floodplain context.*

4535. Remote Sensing Applications in Coastal and Wetlands (I) (Sponsored by Remote Sensing Specialty Group, Coastal and Marine Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Ruiliang Pu, University of South Florida

CHAIR(S): Ruiliang Pu, University of South Florida

2:40 Wenyu Li, Institute of Remote Sensing and Digital Earth; Peng Gong*, ESPM, University of California, Berkeley, *Coastal inundation from 1983 to 2010 in a site of Florida determined with Landsat images.*

3:00 Deya M. Banisakher*, Bethune-Cookman University; Hyun Jung Cho, Ph.D., Department of Integrated Environmental Science, Bethune-Cookman University, Daytona Beach, FL; Deepak Mishra, Ph.D., Department of Geography, University of Georgia, Athens, GA; Lori Morris, St. Johns River Water Management District, Palatka, FL, *Benthic habitat mapping in the Indian River Lagoon, Florida using Hyperspectral Imager for the Coastal Ocean.*

3:20 Ali Simpson*, Department of Integrated Environmental Science, Bethune-Cookman University, Daytona Beach, FL; Hyun Jung Cho, PhD, Department of Integrated Environmental Science, Bethune-Cookman University, Daytona Beach, FL; Lori J. Morris, St. Johns River Water Management District, Palatka, FL, *Assessment of Benthic Mapping using Hydroacoustic, Aerial, and Satellite Sensor Data.*

3:40 Ruiliang Pu, PhD*, University of South Florida; Susan S. Bell, PhD, University of South Florida; Cynthia Meyer,

MSc, University of South Florida, *Mapping and Assessing Seagrass Bed Changes in Central Florida's West Coast Using Multitemporal Landsat TM Imagery.*

4:00 Kamal Srogy Darwish, PhD Student*, Assistant Lecturer at Geography Department, Minia University, Egypt, and Research Scholar at University of Florida, USA.; Magdy TORAB, Professor, Professor of Geomorphology, Damanhur University, Egypt; Scot Earle SMITH, Professor, Professor of Geomatics, University of Florida, USA, *Geospatial Analysis of Long-Term Coastal Changes along the Egyptian Mediterranean Coast.*

4536. Session II: Urban politics, new urban subjects and neoliberal transitions in Latin America

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Carolina Sternberg, DePaul University;

Monica Farias, University of Washington; April L Colette, University of Illinois at Urbana-Champaign

CHAIR(S): Carolina Sternberg, DePaul University

2:40 Jacob C Miller*, University of Arizona, *Isolation, industrial fish and retail reconfigure consumer subjectivity on Chiloé Island, Chile.*

3:00 April L Colette*, University of Illinois at Urbana-Champaign, *Floods, Fixes and Favors: The Material Conditions of Citizen-State Relations in Santa Fe, Argentina.*

3:20 Monica Farias*, University of Washington, *Transformative Political Spaces: Asambleas in Buenos Aires and the Politics of Empathy.*

3:40 Martin Danyluk*, University of Toronto, *The Urbanization of Logistics: Uneven Development and Ambivalent Subjectivity in Panama's Transit Corridor.*

4:00 Nicolas Vergara Arribas*, Rutgers, the State University of New Jersey, *Neoliberalism, conflict and emerging politics of the urban in Santiago, Chile.*

4537. Global Indigenous Geographies (Sponsored by Indigenous Peoples Specialty Group)

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Mark Palmer, University of Missouri-Columbia

CHAIR(S): Mark Palmer, University of Missouri-Columbia

2:40 Mark Palmer*, University of Missouri-Columbia, *UNESCO World Heritage, Geospatial Technologies, and the UN Declaration of Indigenous Rights.*

3:00 Jay T Johnson*, University of Kansas, *Negotiating the Indigenous and Sustainability Sciences Divide.*

3:20 Cadey Korson*, Kent State University, *The Role of Self-Determination in the Political Transformation of New Caledonia.*

Discussant(s): David Mark, University at Buffalo

4539. Institutional Governance of Climate Change Adaptation - 2 (Sponsored by Private/Public Affinity Group, Cultural and Political Ecology Specialty Group, Geographies of Climate Change, Business Geography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): James Porter, University of Leeds; Samuel Tang, King's College London

CHAIR(S): James Porter, University of Leeds

2:40 Morey Burnham*, Utah State University; Zhao Ma, Purdue University; Joanna Endter-Wada, Utah State University; Tim Bardsley, Western Water Assessment, *Creating Utah's water future: the politics of water management adaptation to climate change.*

2:57 Wei Xu, Professor*, University of Lethbridge; Henning Bjornlund, Dr., University of Lethbridge, *Water resource governance: theory and practice.*

3:14 Michael Antos*, UCLA, *Socioecological and institutional challenges to adaptive water management in Greater*

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Los Angeles.

3:31 Catherine T. Day, M.S.*, UW-Madison, *Climate Adaptation in a First-World Context: Agriculture and Insurance in the U.S. Southwest.*

3:48 Soo Jin Kim*, University College London, *Depoliticization of Disaster Risk Reduction In Climate Change Adaptation: A Case Study Of Metro Manila.*

Discussant(s): Sophie Webber, University of British Columbia

4540. CFP: Wildlife Conservation and Management Session 2 (Sponsored by Animal Geography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Elizabeth Walton, University of South Florida; Rebecca Loraamm

CHAIR(S): Elizabeth Walton, University of South Florida

2:40 Mason Auger*, University of Colorado, *How the buffalo roam: Conservation, management and socio-politics in Yellowstone National Park.*

3:00 Jed A Long*, University of St Andrews; Trisalyn A Nelson, University of Victoria; Stephen L Webb, The Samuel Roberts Noble Foundation; Kenneth L Gee, The Samuel Roberts Noble Foundation, *Mapping Interactive Behaviour in Wildlife Tracking Data: A Time Geographic Approach.*

3:20 Paul BT Merani*, University of Nebraska; Lawrence A Vrtiska, Nebraska Military Department; Julie Godbersen, Nebraska Military Department; Dominic C Biondo, University of Nebraska; Sunil Narumalani, University of Nebraska, *Using GIScience to investigate the relationship between habitat availability and population of Least Turn and Piping Plover at local scale along the Lower Platte River; Camp Ashland, Nebraska.*

3:40 Zachary J Smith, BA*, School of Geosciences, USF, Tampa, *Mapping the spatial selection, movement, and behavior of captive Bornean orangutans at Tampa's Lowry Park Zoo using terrestrial laser scanning and GIS.*

4:00 Alex Biggs*, University of Texas at Austin; Jennifer A Miller, Dr., University of Texas at Austin, *Quantifying uncertainty in future projections of species' distribution: a Mojave Desert case study.*

4552. Vegetation Dynamics IV (Sponsored by Biogeography Specialty Group)

Room: Grand Salon A, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Adam Naito, Texas A&M University; Parveen K Chhetri, Texas A&M University

CHAIR(S): Adam Naito, Texas A&M University

2:40 Tao Zhang*, University of Florida; Jeremy W. Lichstein, University of Florida, *Drought-related shifts in the species composition of eastern U.S. forests.*

3:00 Guanling Feng*, Southern Illinois University; Guangxing Wang, Southern Illinois University; Justin Schoof, Southern Illinois University, *Monitoring drought intensity in Illinois with a combined index.*

3:20 Victor Gutierrez-Velez*, Columbia University-Earth Institute; Maria Uriarte, Columbia University-E3B; Ruth DeFries, Columbia University-E3B; Miguel Pinedo-Vasquez, Columbia University, CIFOR; Katia Fernandes, Columbia University-IRI; Pietro Ceccato, Columbia University-IRI; Walter Baethgen, Columbia University-IRI; Christine Padoch, CIFOR, *Land cover change interacts with drought severity to change fire regimes in Western Amazonia.*

3:40 Geoffrey Fouad*, San Diego State University; Allen Hope, San Diego State University; Yelena Granovskaya, San Diego State University, *Utility of MODIS Data in Forested Ecosystems with Frequent Cloud Cover.*

4:00 Hongshuo Wang*, Geography, The Ohio state university;

Hui Lin, Institute of space and earth information science, CUHK; Desheng Liu, Geography, The Ohio state university, *Regional Watch of Vegetation Responses to Climate Change in China with Remotely Sensed Data and Climatic Data.*

4554. Author Meets Critics: Seth Holmes' Fresh Fruit, Broken Bodies. Migrant Farmworkers in the United States (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Grand Salon C, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Daniel Block, Chicago State University

CHAIR(S): Daniel Block, Chicago State University

2:40 Seth Holmes

Discussant(s): Hilda Kurtz, University of Georgia; Laura-Anne Minkoff-Zern, UC Berkeley, Department of Geography; Sandy Brown, University of San Francisco

4555. The Geography of Urban Infrastructure IV: Infrastructure, mechanisms, and institutional arrangements (Sponsored by Graduate Student Affinity Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology; Rongxu Qiu, University of Lethbridge; Yin Yang, University of Oxford

CHAIR(S): Janelle Knox-Hayes, Georgia Institute of Technology

2:40 Yanpeng Jiang*, School of Geography, University of Leeds, *The impact of government-led urban project on urban growth in the background of institutional arrangement-The case of Hongqiao project.*

3:00 Oladayo Ramon Ibrahim, M.sc.*, Lagos State Polytechnic, Lagos, Nigeria, *The Rise of Territorial Approach In Rural Development And Poverty Reduction In Nigeria.*

3:20 Sara Cavallo*, Penn State University, *Municipal Sewer Services and the Geoweb: Exploring E-government and Urban Environmental Justice in New York City.*

Discussant(s): Eric Knight

4558. Energy Transitions IV (Sponsored by Energy and Environment Specialty Group)

Room: Grand Salon G, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Michael Minn, University of Illinois

CHAIR(S): Michael Minn, University of Illinois

2:40 Peter Vancura*, Rutgers University, *There goes the itinerant factory: Shifting perspectives on boom, bust, and industry migration in Pennsylvania's shale gas 'sweet spot'.*

3:00 Richard J. Hoch, Ph.D, AICP CEP*, Assoc. Professor, Indiana University of Pennsylvania, *Community Underdevelopment and Environmental Injustice in the Coal and Gas Fields of Southwestern Pennsylvania.*

3:20 Harris Ali, Dr. *, York University, *The Social Construction of Oil Pipeline Debates in Canada.*

3:40 Brandon Derman*, University of Washington, *Fossil fuels production and climate (in)justice.*

4563. 2014 Jeanne X. Kasperson Award Winners from the Hazards, Disasters & Risks Specialty Group (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Florida Salon II, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Timothy Collins, University of Texas - El Paso

CHAIR(S): Timothy Collins, University of Texas - El Paso

2:40 Maricarmen Hernandez*, University of Texas at El Paso, *Hispanic Communities and Environmental Justice: A Comparative Study of Mobility and Exposure to Air Toxics in Houston.*

3:00 Hyun Kim*, University of Wisconsin-Madison, *Urban Vulnerability and Resiliency to Natural Disasters: Evaluating Community Planning Responses for*

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Tourism and Amenity-based Development.

3:20 Alejandra Maldonado*, The University of Texas at El Paso, *Immigrants and Environmental Justice in Comparative Context: Social Vulnerability to Flooding and on the Road to Recovery across Social Groups.*

3:40 Seyed Mostafa Mousavi*, University of Memphis, *Rock fall Risk Assessment along Roads: Haraz Road, Iran.*

4:00 Misa Yasumiishi*, University at Buffalo, *Digitally Resilient Shelters During a Disaster.*

4564. What Space for the Post-Security State? II: Knowledge, Circulation, Air (Sponsored by Political Geography Specialty Group)

Room: Florida Salon III, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Jeremy Crampton, University of Kentucky;

Peter Adey, Royal Holloway, University of London

CHAIR(S): Susan Roberts, University Of Kentucky

2:40 Trevor Barnes*, University Of British Columbia, *Geography, the Cold War and the security state.*

3:00 Kendra McSweeney*, The Ohio State University, *Securing the flow: militarization of resource commodity corridors in Honduras.*

3:20 Katharine Hall Kindervater*, University of Minnesota, *Watching, Killing, Securing: Drones, the State, and Contemporary Spaces of Security.*

3:40 Marijn Nieuwenhuis*, University of Warwick, PAIS, *Securing the Air: the Political Geography of Chemical Weapons.*

4:00 Till F Paasche*, Soran University, *Power, Security and Space in Kurdistan, Iraq: a grounded transect.*

4567. Fleming Lecture in Transport Geography: "Ten Things to Know about American Cities" (Sponsored by Transportation Geography Specialty Group)

Room: Florida Salon VI, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Selima Sultana, University of North Carolina-Greensboro

CHAIR(S): Selima Sultana, University of North Carolina-Greensboro

Introducer: Selima Sultana

3:00 John Adams*, University of Minnesota - Minneapolis, *Ten Things to Know about American Cities.*

Discussant(s): David H Kaplan, Kent State University

4568. Civil Rights Legacy II: Everyday and Contemporary Struggles. (Sponsored by Study of the American South Specialty Group, The American South, Racism and Violence)

Room: Meeting Room I, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Joshua Inwood, University of Tennessee;

Richard Wright, Dartmouth College; Derek H.

Alderman, University of Tennessee

CHAIR(S): Richard Wright, Dartmouth College

2:40 Anna Gatewood Sharpe, PhD Student*, University of Kentucky, *Retrieval or Re-Muting?: Narratives of Subterranean Resistance in Melissa Fay Greene's Praying for Sheetrock.*

3:00 Jamie Winders*, Syracuse University, *On being more than one "Ground Zero": Immigrant and Civil Rights in the American South.*

3:20 Jenna M. Loyd*, University of Wisconsin-Milwaukee, *Health Justice and the City: Lessons from the Civil Rights Movement.*

3:40 Caroline Sage Ponder*, University of British Columbia, *Jackson City Limits.*

4:00 Ujju Aggarwal, PhD*, Sarah Lawrence College, *Broken Choices: Public Education and the Structuring of Citizenship Post-Brown v. Board of Education.*

4569. Turkish Urban Researches 1 (Sponsored by Urban Geography Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Arif Keceli, Mehmet Akif Ersoy University

CHAIR(S): Mehmet Karakuyu, Fatih University

2:40 ARIF KECELI*, Mehmet Akif Ersoy University, *The Last and Lost Chance: Importance of Location Decision for Urban Development.*

3:00 Mehmet Karakuyu*, Fatih University; Zühal Canakci, *Effects of Universities On Urban Development: Case Of Kastamonu.*

3:20 Gokhan Mert*, Mehmet Karakuyu, *Handicaps of five year development plans: in case of rural part of Istanbul.*

3:40 Fatih Kaan Akyar*, Istanbul University, *The Impact of Neoliberal Economic Policies on Urban Development Dynamics in Developing Countries: Istanbul Cases.*

4:00 Faruk Sariusta*, Mehmet Akif Ersoy University; ARIF KECELI, Mehmet Akif Ersoy University; Mehmet Karakuyu, Fatih University, *An Evaluation of Accessibility of Public Services: A Case of Livability.*

4570. Trees in the City 4: Spatial and temporal dynamics of trees and the urban forest (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Shawn Landry, University of South Florida;

Tenley Conway, University of Toronto

CHAIR(S): Shawn Landry, University of South Florida

2:40 Thi-Thanh-Hien Pham*, Université du Québec à Montréal; Philippe Apparicio, INRS - Centre Urbanisation Culture Société; Shawn Landry, University of South Florida, *Mapping and modeling trajectories of vegetation over 20 years in Montréal.*

3:00 Jen Vander Vecht*, University of Toronto; Tenley Conway, Ph.D, University of Toronto Mississauga, *If a Tree Falls in the Urban Forest: Current and Future Pest Vulnerability of Toronto's Urban Forest.*

3:20 Tenley M Conway*, University of Toronto, Mississauga, *Residents and their Trees: Motivations and Barrier to Planting and Removal.*

3:40 Xhoana Ahmeti*, DePaul University; Kelly Crabtree, DePaul University, *We Speak For The Trees: A Change Analysis Of Washington, D.C., Using Landsat 4 & 5 TM Imagery.*

4:00 Jessica R. Sanders, PhD*, Casey Trees; Dexter H. Locke, Clark University, *Buildings and Money: Gains and Losses of Tree Canopy in the Nation's Capital, 2006 - 2011.*

4571. Tourism Geography, Culture, and the Environment in China (Sponsored by China Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Guo Chen, Michigan State University

CHAIR(S): Noel Healy, Dept Geography Salem State University

2:40 Tong Zheng*, China Academy of Urban Planning and Design, *Sustainable Approach to Cultural Ecosystem Conservation in China: A Case Study of Diqing Tibetan Territory in Yunnan Province and Planning Practices.*

3:00 Jie LIU*, Peking University; Dihua LI, Peking University, *Coupled compositionality: heritages in Chishui River Area, Southwest China.*

3:20 Sara Matthews*, Humboldt State University, *Territoriality and Tibetan Buddhism: Spatial Socialization through Religious Places.*

3:40 Noel Healy, PhD*, Department of Geography, Salem State University, *The loveliest mountain in China': An exploratory study of Chinese and Western visitor experiences at Mount Huangshan UNESCO World Heritage Site.*

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4572. Transportation Geography in China (Sponsored by China Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Guo Chen, Michigan State University

CHAIR(S): Fengjun Jin, Institute of Geographical Sciences and Natural Resources Research

2:40 Jiao Jingjuan*, Jiaoe Wang; Fengjun Jin, *Spatial effects of high-speed rail network in China: A complex network approach.*

3:00 Kunlei Ma*, University of Cincinnati, *An Analysis of the Chinese hub-spoke network and Government Air Transportation Policy.*

3:20 Jiawen Yang*, Peking University; Huaqing Zhou, Peking University, *Supplying Transit Services beyond Municipal Boundaries in China.*

3:40 Ran Tao*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte; Aujun Hu, Renmin University, *The Spatial Pattern of Economic Impact of High-Speed Rail in China.*

4:00 Fengjun Jin*, Institute of Geographical Sciences and Natural Resources Research; Jiaoe Wang; Jingjuan Jiao, *Spatial effects of High-speed rail network in Eastern Asia.*

4573. Models and Action Programs for Sustainability Analysis (Sponsored by Scale and Sustainability)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Scale and Sustainability

CHAIR(S): Thomas Hoeflechner, University of Graz

2:40 Patrick J Bitterman*, The University of Iowa; David A Bennett, The University of Iowa, *Representing Resilience in Social-Ecological Systems: Trade-offs with Sustainability and the Effects of Changing Adaptive Capacity.*

3:00 Jasraj Gramopadhye, Ph.D.*, University of North Carolina at Greensboro; Rick Bunch, Ph.D., University of North Carolina at Greensboro, *Bridging The Gap Between Urban Sustainability Assessments And Policy Decisions: A GIScience Based Systems Analysis of Human - Environment Interactions.*

3:20 Thomas Hoeflechner*, University of Graz, *Integrated Multilevel Analysis of Regional Resilience - A Transdisciplinary Case Study in the Southeast Austria.*

4574. Race, Gender and Geography I: Intersections (Sponsored by Geographic Perspectives on Women Specialty Group, Racism and Violence)

Room: Meeting Room 7, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Rupal Oza, Hunter College, CUNY

Introducer: Linda Peake

Panelists: Sanjukta Mukherjee, DePaul University, Women's & Gender Studies; Sharlene Mollett, Dartmouth College; Narmeen Hashim, York University; Laura Liu, The New School

4578. Legal-Financial Geographies IV: Post-Crisis Geographies of Risk Production (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Shaina Potts, UC Berkeley Geography;

Benjamin Teresa; Mark Kear, Simon Fraser University

CHAIR(S): Benjamin Teresa

2:40 Mark Kear*, Simon Fraser University, *Producing Subjects of Risk.*

3:00 Pablo Mendez*, Carleton University; Sage Ponder, Doctoral Candidate, University of British Columbia; Emily Rosenman, Doctoral Candidate, University of British Columbia, *Joining houses: mortgage capital meets*

microfinance.

3:20 David Bieri*, University of Michigan, *Risk, Finance and Urban Form: On the Spatial Consequences of the Non-Neutrality of Money.*

3:40 Hannah Birnbaum*, University of California, Berkeley; Sara Hinkley, PhD Candidate, University of California, Berkeley, *"Dumb, Lazy, Happy and Rich": Risky Cities, or Cities at Risk?*

4:00 Benjamin F Teresa*, Rutgers University, *Speculation in Rent-Regulated Multifamily Housing in New York City.*

4579. The "Progress in Physical Geography" Panel - "Classics Revisited" and "From the Archives" (Sponsored by Biogeography Specialty Group, Geomorphology Specialty Group, Mountain Geography Specialty Group)

Room: Meeting Room 10, Marriott, Third Floor (Panel Session)

ORGANIZER(S): David R. Butler, Texas State University - San Marcos

CHAIR(S): George P. Malanson, University of Iowa

Introducer: David R. Butler

Discussant(s): Richard W Dixon, Texas State University; Nicholas Clifford, King's College London; Carol F. Sawyer, University of South Alabama

4580. Multi-temporal Analysis of Remote Sensing Data: Methods and Applications I (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Le Wang, SUNY at Buffalo; Bing Xu

CHAIR(S): Le Wang, SUNY at Buffalo

2:40 Yi Qi*, Department of Geography, University of Utah, Salt Lake City; Philip E Dennison, Ph.D., Department of Geography, University of Utah, Salt Lake City; W Matt Jolly, Ph.D., Rocky Mountain Research Station, Missoula Fire Sciences Laboratory; Rachael C Kropp, Rocky Mountain Research Station, Missoula Fire Sciences Laboratory; Simon C Brewer, Ph.D., Department of Geography, University of Utah, Salt Lake City, *Spectroscopic Analysis of Seasonal Changes in Live Fuel Moisture Content and Dry Matter.*

3:00 Ayodeji Steve Adesuyi*, Stellenbosch university, *Using Time Series Ndvi To Model Land Cover Change: A Case Study In The Berg River Catchment Area Of Western Cape. South Africa.*

3:20 Xuebin Yang, 90063279*, The University of Texas at Austin; Kelley A. Crews, 09701023, The University of Texas at Austin, *Woody Plant Encroachment Monitoring: An Example from Central Texas Savannas.*

3:40 Ruiyun Li, Beijing Normal University; Ping Zhang; Yongmei Lu, Texas State University; Bing Xu*, Tsinghua University, *Modeling the risk of highly pathogenic avian influenza H5N1 in wild birds and poultry of China.*

4:00 Nicholas Cuba*, Clark University; John Rogan, Clark University; Anthony Bebbington, Clark University, *Temporally dense Landsat and MODIS data series reveal land change dynamics of mining and agriculture in La Libertad, Peru.*

4581. Speed-Dating with an NSF or NIH Program Officer (Opportunity 2)

Room: Meeting Room 12, Marriott, Third Floor (Panel Session)

ORGANIZER(S): Daniel Hammel, NSF; Kelley Crews, University of Texas

CHAIR(S): Thomas Baerwald, National Science Foundation

4582. Labour geography and migrant work 2 (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Ben Rogaly, University of Sussex; Siobhán

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- Mcphee, University of British Columbia; Michelle Buckley, University of Toronto Scarborough
 CHAIR(S): Ben Rogaly, University of Sussex
2:40 Sara Dorow*, University of Alberta, *Mixed Mobilities as an Economy of Precarious Work*.
3:00 Sarah A Blue*, Texas State University, *The 'Natural Disaster Recovery Effect': Gendered Labor Market Experiences of Latino Immigrants in Post-Katrina New Orleans*.
3:15 Anne Visser*, University of California, Davis; Lisa Kresge*, University of California, Davis, *Transforming and Expanding Agency from the Margins: Social Economy Organizations and the Translocal Policy Domains Surrounding Migrant Workers Engaged in the Informal Economy*.
3:30 Sean R. Patterson, PhD candidate*, Queen's University; Sean R. Patterson, PhD candidate, Queen's University, *Nonconventional Worker Organizations*.
3:45 Siobhan McGrath*, Durham University, *Unfreedom and workers' power: ever-present possibilities*.
 Discussant(s): Michelle Buckley, University of Toronto Scarborough

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4601. Geographies of Modernism: architecture, heritage and landscape

- Room: Room 1, TCC, First Floor (Paper Session)
 ORGANIZER(S): Ruth Craggs, King's College London; Hannah Neate, University of Central Lancashire
 CHAIR(S): Hannah Neate, University of Central Lancashire
4:40 Hannah Neate*, University of Central Lancashire; Ruth Craggs*, King's College London; Hilary Geoghegan, University of Reading, *Concrete Activism*.
5:00 Michael Dring*, Birmingham City University, *Infrastructural Narratives: a History of a Node*.
5:20 Ulf Strohmayer*, National University of Ireland Galway, *Modernism reloaded: Pedagogies of transformation in Paris since 1958*.
5:40 Nicola J Thomas*, University of Exeter, *From Festival to Revolution: Modernism, Craft and Design in the 1950's Gloucestershire Guild of Craftsmen*.

4603. Frontiers of Spatial Autocorrelation (Sponsored by Spatial Analysis and Modeling Specialty Group)

- Room: Room 3, TCC, First Floor (Paper Session)
 ORGANIZER(S): Yongwan Chun, The University of Texas at Dallas; Daniel A Griffith, University of Texas - Dallas
 CHAIR(S): Yongwan Chun, The University of Texas at Dallas
4:40 Monghyeon Lee*, University of Texas at Dallas; Parmanand Sinha, University of Texas at Dallas; Yongwan Chun, University of Texas at Dallas; Daniel A Griffith, University of Texas at Dallas, *Eigenvector selection with stepwise regression techniques to construct eigenvector spatial filters*.
5:00 Antonio Paez*, McMaster University; Fernando Lopez, Universidad Politecnica de Cartagena; Manuel Ruiz, Universidad Politecnica de Cartagena, *Statistical test of the difference between two Moran's I coefficients*.
5:20 Sang-Il Lee*, Seoul National University; Daeheon CHO, Seoul National University, *Developing a Spatial Principal Components Analysis*.
5:40 Timothy Brown*, University of Texas at Dallas; Daniel A Griffith, Ashbel Smith Professor, University of Texas at Dallas, *Spatial Autocorrelation and Qualitative Sampling: A West Nile Virus Case Study*.
6:00 Benjamin Jacob, PhD, Msc MS*, University of South Florida; Benjamin George Jacob, University of South

Florida, *Validating a remote sensing Onchocerciasis-related endemic transmission oriented model*.

4604. Transformation of Small Cities in India

- Room: Room 4, TCC, First Floor (Paper Session)
 ORGANIZER(S): Marie Helene ZERAH, CSH; Gopa Samanta, The University of Burdwan
 CHAIR(S): Kuntala Lahiri-Dutt, The Australian National University
 Introducer: Kuntala Lahiri-Dutt
4:45 Marie Helene ZERAH*, IRD/CSH, *Between state and market. Dharuhera, Haryana: the story of a rapid urbanization process*.
5:00 Raman Bhuvanewari*, Jindal Global University; Bhuvanewari Raman, Dr, Jindal Global University, *Transformation of Small Town Economy and Territory: The Case of Tiruchengode in Tamilnadu*.
5:15 Rohit Madan*, Cardiff School of Planning and Geography, *Can Peasants be Eco-citizens? The Case of Agri-tourism in Peri-urban Mumbai and Pune in Maharashtra, India..*
5:30 Gopa Samanta*, The University of Burdwan, *Urbanization beyond Metropolitan Shadow: Growth and Governance of Small Cities and Census Towns in India*.

4605. Environmental Justice Research: Contemporary Issues and Emerging Topics IV (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Health and Medical Geography Specialty Group)

- Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Sara Grineski, University of Texas at El Paso
 CHAIR(S): Bruce C Mitchell
4:40 Karen Owen, PhD*, George Mason University, *Informal Settlement Patterns - the Basureros of Coban*.
5:00 Michelle Ritchie*, Southern Connecticut State University, *Visualizing Food Access through Critical Cartography*.
5:20 Stentor Danielson*, Slippery Rock University, *Bringing Age into Environmental Justice: Wildfire Risk and Senior Citizens*.
5:40 Christina M Qiu, Livingston High School; Gabriela Dory, New Jersey Institute of Technology; Mei R Fu, Ph.D.,

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New York University; Zeyuan Qiu*, New Jersey Institute of Technology, *Emotional Experience of Living in an Environmental Justice Community.*

- 6:00** Etienne Turpin, Ph.D.*, SMART Infrastructure Facility, University of Wollongong, *From Noise to Knowledge: Crowd-sourcing GeoSocial Intelligence to Resist Political Violence in Jakarta's Urban Villages.*

4606. FQG: Queering Global Urbanism (Sponsored by Sexuality and Space Specialty Group)

Room: Room 6, TCC, First Floor (Paper Session)

ORGANIZER(S): Derek Ruez, University of Kentucky

CHAIR(S): Derek Ruez, University of Kentucky

- 4:40** William John Payne*, York University, *Beyond the Metropole: Theorizing Queerness and the Urban in Acapulco, Mexico.*

- 5:00** Kai Kenttamaa Squires*, University of Miami, *Precipitous decline or a neoliberal post-gayborhood? Placing South Beach within discussions of gay village decline and homonormative entrepreneurialism.*

- 5:20** Marie Bonte*, Université Joseph Fourier - Grenoble I, *Gay Paradise - kind of. Production and negotiation of gay places in Beirut's everyday nightlife..*

- 5:40** Juan Miguel Kanai*, University of Miami, *Queer Tango in Entrepreneurial Buenos Aires.*

Discussant(s): Natalie Oswin, McGill University

4607. Just public space: fostering diversity through distributive, procedural and interactional justice (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): James Fournière, King's College London

CHAIR(S): James Fournière, King's College London

- 4:40** Sig Langeegger*, Akita International University; Stephen Koester, PhD, University of Colorado Denver, *Denver's unjust camping ban and just possibilities.*

- 5:00** Kathleen A. Dunn*, Loyola University Chicago, *Economic Justice in the Streets: Street Vendor Organizing in New York City.*

- 5:20** Tom Brazda*, UCL Graduate, MSc International Planning, *How relevant are 'gayborhoods' in today's contemporary cities and are they at risk of obsolescence?.*

- 5:40** Basak Tanulku*, Independent Scholar, *Gezi Park Events: A Processual Social Movement and Space.*

Discussant(s): Setha Low

4608. Regional Climatology II (Sponsored by Climate Specialty Group)

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Brandon Vogt, University of Colorado Colorado Springs

CHAIR(S): Kent McGregor, University of North Texas

- 4:40** Sarah Praskievicz*, University of Oregon, *Impacts of Climate Change on Hydrology and Sediment Transport for Snowmelt-Dominated Rivers in the Interior Pacific Northwest.*

- 5:00** Kieran R. Hickey, Dr.*, Department of Geography; Christina Connolly Johnston, *A bolt from the heavens! The historical record of lightning in Ireland and its impact on settlement and people..*

- 5:20** Kelly Boyd*, Mississippi State University, *Identifying Enhanced Urban Heat Island Convection Areas for Indianapolis, Indiana using Space-borne Thermal Remote Sensing Methods.*

- 5:40** Yao Feng*, Yan Li; Xinyi Zhao, *Daily temperature variability and sensitivity to grassland and cropland in eastern China during the past 30 years.*

- 6:00** Kent McGregor*, University of North Texas, *Comparison Droughts of the 1950s and 1930s in the Great Plains.*

4610. Methodology Issues at Sites of Resource Booms

Room: Room 10, TCC, First Floor (Panel Session)

ORGANIZER(S): Katherine MacDonald, York University

CHAIR(S): Katherine MacDonald, York University

Panelists: Sara Jackson, York University; Ryan Hackett; Adrienne Johnson, Clark University; Kolson Schlosser, Temple University; Katherine MacDonald, York University

4611. Open GIS: Problems and prospects (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Esri, Spatial Analysis and Modeling Specialty Group)

Room: Room 11, TCC, First Floor (Panel Session)

ORGANIZER(S): Daniel Sui, The Ohio State University; Serge Rey, Arizona State University

CHAIR(S): Daniel Sui, The Ohio State University

Introducer: Ola Ahlqvist

Introducer: Michael F. Goodchild

Discussant(s): David DiBiase, Esri

Panelists: Harvey Miller, The Ohio State University; Francis Harvey, University of Minnesota - Minneapolis; Chaowei Yang, George Mason University; Elizabeth Wentz, Arizona State University

4612. The metropolitan transport challenge: transport policy, practice and analysis (Sponsored by Transportation Geography Specialty Group)

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Mathes Wilde, Goethe-Universität Frankfurt, Institut für Humangeographie; Nicole Badstuber, University College London

CHAIR(S): Nicole Badstuber, University College London

- 4:40** Mathes Wilde*, Goethe-Universität Frankfurt, Institut für Humangeographie, *Space, the hidden power behind transport policy making: How spatial imaginations influence EU strategies.*

- 5:00** Nicholas Klein*, Rutgers University, *Federal deregulation and local regulatory responses to the curbside intercity bus industry.*

- 5:20** Helena Titheridge*, UCL; Daniel Oviedo, UCL; Runing Ye, UCL; Nicola Christie, UCL; Roger Mackett, UCL, *Transport Poverty: Concepts, Measurement and Policy Perspectives.*

- 5:40** Kevin Manaugh*, McGill University; Evelyne St-Louis, McGill University, *Justice in Accessibility: Examining a changing transport system in Toronto, Canada.*

- 6:00** Nicole E Badstuber*, University College London, *Transforming fragmented and neglected urban rail infrastructure into a popular complimentary orbital network in London.*

4613. Eurasia's Environmental, Economic, and Geopolitical Transformations: Part VIII, Divisions (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut

CHAIR(S): Nathaniel Trumbull, University of Connecticut

- 4:40** Grigory Ioffe*, Radford University, *Is Belarus a cleft country?.*

- 5:00** Andrew Ryder, D. Phil.*, University of Portsmouth, *Are Latvians an endangered species?.*

- 5:20** Matthew Derrick*, Department of Geography, Humboldt State University, *The Territorial Imperative: Changing Practices and Representations of the Muslim Spiritual Board in Post-Soviet Tatarstan, Russia.*

- 5:40** Edward C. Holland*, Miami University, *Who Believes in Russia? A Quantitative Evaluation of Religious Revival among Muslims and Buddhists.*

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6:00 Jarmo Kortelainen*, University Of Eastern Finland,
Positionality switches: remapping resource communities.

4614. Becoming a Certified GISP and Why It Matters for Your Geospatial Career (Sponsored by Jobs and Careers)

Room: Room 14, TCC, First Floor (Panel Session)
ORGANIZER(S): Jean McKendry, Association of American Geographers
CHAIR(S): Bill Hodge, City of Midland
Panelists: Bill Hodge, City of Midland; Rachel Kornak, GeoPivot Magazine

4615. Urgency - yes, but of what kind? State theory, climate change, and the left (Sponsored by Geographies of Climate Change)

Room: Room 15, TCC, First Floor (Panel Session)
ORGANIZER(S): Michelle Wenderlich; Kevin Surprise, Clark University
Panelists: Kate Derickson, University of Minnesota; Harlan Morehouse; Gareth Edwards, Department of Geography and Sustainable Development, University of St Andrews; Kevin Surprise, Clark University; Michelle Wenderlich; Jesse Goldstein, Graduate Center, CUNY

4616. Researching the lifecourse: time, space and mobilities II (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)
ORGANIZER(S): Nancy Worth, McMaster University; Irene Hardill, Northumbria University
CHAIR(S): Sophia Bowlby, University of Reading
4:40 Thomas Disney*, University of Birmingham, *Emotionally 'dark spaces': re-examining 'the field' in human geography.*
5:00 Bisola Falola*, University of Texas at Austin, *Life-Geohistories Methodology: Examining the Everyday Spatiality of Young People's Lifecourse Transitions.*
5:20 Gina Crivello, PhD*, University of Oxford, *Children's aspirations as lived experience: exploring time, space and mobilities in Peru from a lifecourse perspective.*
5:40 Elaine Stratford*, University of Tasmania, *Shifting places of origin: rethinking the geographies of conception.*
Discussant(s): Irene Hardill, Northumbria University

4617. Author Meets Critics: Ryan Galt's Food Systems in an Unequal World: Pesticides, Vegetables, and Agrarian Capitalism in Costa Rica (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Room 17, TCC, First Floor (Panel Session)
ORGANIZER(S): Ryan Galt, University of California, Davis; Colleen Hiner, Texas State University
CHAIR(S): Colleen Hiner, Texas State University
Discussant(s): Ryan Galt, University of California, Davis
Panelists: Alison H. Alkon, University of the Pacific; Sandy Brown, University of San Francisco; Kees Jansen, Wageningen University; Brad Jokisch, Ohio University; Kristin Reynolds, The New School; Richard Walker, University of California-Berkeley

4618. Write for ABC-CLIO!

Room: Room 18, TCC, First Floor (Panel Session)
ORGANIZER(S): Kaitlin Ciarmiello, ABC-CLIO, LLC
CHAIR(S): Kaitlin Ciarmiello, ABC-CLIO, LLC

4619. Human Impacts on Watershed Processes II (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: Room 19, TCC, First Floor (Paper Session)
ORGANIZER(S): Shixiong Hu, Dept. of Geography, East

Stroudsburg University of PA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

4:40 Aaron Zettler-Mann*, University of Denver, *The Effectiveness of Digital Photogrammetry in Quantifying Small Scale River Bar Change.*

5:00 Peng Gao*, Syracuse University; John Wainwright, Department of Geography, Durham University, South Road, Durham, DH1 3LE, UK; Caspar Hewett, Department of Geography, Durham University, South Road, Durham, DH1 3LE, UK, *Parameterizing a physically-based erosion model at the watershed scale.*

5:20 Rachel Craig*, University of Tennessee; Liem Tran, University of Tennessee, *Beaver Creek Then and Now - Revisiting Watershed Objectives.*

5:40 Christopher R Schaney, Ph.D.*, Indiana University of Pennsylvania; Dana A Turgeon, Indiana University of Pennsylvania Graduate Student, *Assessing the Vulnerability of Watersheds to Natural Gas Extraction.*

6:00 Bruce M Hall*, UWSP and SIUC, *Scale and the Legitimacy of Watershed Collaborations.*

4624. Integrating spatiotemporal and advanced computing technologies for geosciences (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Room 24, TCC, First Floor (Paper Session)
ORGANIZER(S): Zhenlong LI; Jizhe Xia
CHAIR(S): Zhenlong LI

4:40 Zhipeng Gui*, Wuhan University; CISC, George Mason University; Chaowei Yang, CISC, George Mason University; Yunfeng Jiang, CISC, George Mason University; Jizhe Xia, CISC, George Mason University; Manzhou Yu, CISC, George Mason University; Qunying Huang, University of Wisconsin-Madison, *Graph Partitioning supported Domain Decomposition Methods for Accelerating Dust Storm Simulation in Parallel Computing Environment.*

5:00 Kevin Horrocks*, Wilfrid Laurier University; Colin Robertson, Wilfrid Laurier University, *Enhancing maritime domain awareness through space-time knowledge extraction of novel geographic information sources.*

5:20 Zhenlong LI*, George Mason University; Chaowei Yang, George Mason University, *A MapReduce-enabled Framework to Support Big Climate Data Processing.*

5:40 Chun-Kai Wang*, *Quantifying location privacy by Contingent Valuation Method in National Taiwan University.*

4626. Transactions in GIS Plenary

Room: Ballroom A, TCC, First Floor (Paper Session)
ORGANIZER(S): John Wilson, University Of Southern California

CHAIR(S): John Wilson, University Of Southern California

4:40 Sean Ahearn*, Hunter College - City University, *A Computationally-based Knowledge Ecosystem for the Geographic Information Science and Technology Domain.*

5:00 André Skupin*, San Diego State University, *Operationalizing a Domain Knowledge Reference System: Natural Language Processing Approaches.*

5:20 Brandon S Plewe*, Brigham Young University, *Evaluating Learning Pathways with the GIS&T Body of Knowledge.*

4629. Roepke Lecture in Economic Geography (Sponsored by Economic Geography, Economic Geography Specialty Group)

Room: Ballroom D, TCC, First Floor (Paper Session)
ORGANIZER(S): Yuko Aoyama, Clark University
CHAIR(S): Marion Werner, University at Buffalo, SUNY

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4:40 Linda McDowell, PhD, DLitt.*, University of Oxford, *The lives of Others: gendering labour geography*.

The Department of Geography at the University of Illinois at Urbana-Champaign in conjunction with *Economic Geography*, the journal, and the AAG Economic Geography Specialty Group are co-sponsoring the 2014 Roepke Lecture given by Linda McDowell, Professor of Human Geography at the University of Oxford.

Discussant(s): Mona Domosh, Dartmouth College

4631. Gendered Livelihoods and Social Struggles (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Jill Williams, University of Hawai'i-Manoa

CHAIR(S): Mark Hunter, University of Toronto

4:40 Yui Hashimoto*, University of Wisconsin-Milwaukee, *Stoking the fire in our bellies: Low-wage food workers, feminized and precarious labour, social reproduction, and food insecurity in Milwaukee, Wisconsin*.

5:00 Vidyamali Samarasinghe, Professor*, American University, *"From the Bottom, Burden on their Shoulders" Continuing Primacy of Women's Labor in Foreign Currency Earnings in Sri Lanka*.

5:20 Priyam Das*, University of Hawaii, *Women's participation in community-level water governance in urban India: The gap between motivation and ability*.

5:40 Mark Hunter*, University of Toronto, *Thinking Historically about the Right to the City and the Right to Education in South Africa*.

4632. Interpreting, analyzing, and mapping U.S. Census data

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Claire Jantz, Shippensburg University

CHAIR(S): Claire Jantz, Shippensburg University

4:40 Meghan Smith*, U.S. Census Bureau, *Bad Maps and How to Make Them Better*.

5:00 Claire Jantz*, Shippensburg University; Tiernan Erickson, U.S. Census Bureau, *Estimating the Completeness of U.S. Census TIGER Road Data Using an Urban Growth Model*.

5:20 Gretchen Gooding*, U.S. Census Bureau; Jennifer Holland*, U.S. Census Bureau, *Finding Census Data for your Community: Joining American Community Survey Block Group Data with TIGER/Line Shapefiles*.

5:40 April Avnaim*, U.S. Bureau Of the Census, *Understanding place: Developing a place classification for communities within the United States*.

6:00 Darryl T. Cohen*, U.S. Census Bureau, *Measuring Urban: A Comparative Analysis of U.S. Urban Agglomerations at Different Geographic Scales*.

4633. Geographies of Access

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Dagmar Dzurova, Charles University, Czech Republic

4:40 So-Ra Baek*, University at Buffalo, SUNY; Chang-Hee Christine Bae, University of Washington; Anne Vernez Moudon, University of Washington; Brian E Saelens, University of Washington, *Difference in Park-based Physical Activity between Korean Immigrants and Caucasian Women in King County, WA*.

5:00 Olivia N. Gillison*, Ohio Wesleyan University; David M. Walker, Ph.D., Ohio Wesleyan University, *Diving Into the Deep Waters: Blacks and the Pools*.

5:20 Dagmar Dzurova*, Charles University in Prague, Faculty of Science, Czech Republic; Jana Spilkova, Charles University in Prague, Faculty of Science, Czech Republic; Michal Pitonak, Charles University in Prague, Faculty of Science, Czech Republic,

Perception of neighbourhood and health behaviours in Prague's teenagers.

4634. Urban Remote Sensing

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ryan Engstrom, George Washington University

4:40 Julius Anchang*, Geosciences, University of South Florida; Ruiliang Pu, PhD, Geosciences, University of South Florida, *Combining Unsupervised Learning and Spatial Disaggregation as a Basis for Detecting Potential Slum and Informal Neighborhoods from Satellite Imagery: A Sub-Saharan Case Study*.

5:00 Eric Guenther*, Virginia Tech; Bingqing Liang, PhD, University of Northern Iowa, *Mapping Impervious Surface of Guangzhou, China using a Hyperion Image*.

5:20 Magdalena Benza*, San Diego State University; John Weeks, San Diego State University, *Population dynamics throughout the urban context: A case study in sub-Saharan Africa utilizing remotely sensed imagery and GIS*.

5:40 Trina Weilert, ABD*, University of Missouri Kansas City; Wei Ji, PhD, University of Missouri Kansas City, *Assessing the importance of spatial resolution and methods on the classification of Urban Riparian Landscapes*.

6:00 Ryan Engstrom*, George Washington University; Avery Sandborn, George Washington University, *Determining within City Change Using Multiple High Resolution Satellite Images for Accra, Ghana*.

4635. Remote Sensing Applications in Coastal and Wetlands (II) (Sponsored by Remote Sensing Specialty Group, Coastal and Marine Specialty Group)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Ruiliang Pu, UNIVERSITY OF South Florida

CHAIR(S): Ruiliang Pu, UNIVERSITY OF South Florida

4:40 Lynn F Brien*, Kansas State University; Matthew B. Bethel, PhD, Louisiana Sea Grant, Louisiana State University; Kevin P. Price, PhD, Kansas State University, *A Remote Sensing-Based Method for Mapping Vegetation Biophysical Characteristics Related to Nutrient Enrichment in a Coastal Louisiana Marsh*.

5:00 Jiaying He*, University of Georgia; Shuvankar Ghosh, University of Georgia; Steve Padgett-Vasquez, University of Georgia; Ning Chen, University of Georgia; Joseph A. White, Bethune-Cookman University; Aurn Baruch, University of Georgia; Deepak Mishra, University of Georgia, *Remote Estimation of Salt Marsh Biophysical Parameters in the Georgia Coast: Assessing Site Specific Salt Marsh Physiological Health*.

5:20 Shuvankar Ghosh*, Student, Department of Geography, University of Georgia; Deepak R. Mishra, PhD, Assistant Professor, Department of Geography, University of Georgia, *Phenological analysis of salt marsh habitats of Northern Gulf of Mexico using MODIS data*.

5:40 Joseph White*, NASA DEVELOP Program - UGA; Steve Padgett-Vasquez, NASA DEVELOP Program - UGA; Shuvankar Ghosh, NASA DEVELOP Program - UGA; Aurn Baruch, NASA DEVELOP Program - UGA; Ning Chen, NASA DEVELOP Program - UGA; Jeremy Mote, NASA DEVELOP Program - UGA; Deepak Mishra, Ph.D., Department of Geography, The University of Georgia, *Remote Estimation of Salt Marsh Biophysical Parameters in the Georgia Coast: Model Cal/Val using NASA Sensors to Improve Monitoring and Restoration Efforts by the Georgia Department of Natural Resources*.

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6:00 In-Young YEO*, University of Maryland, *Changes in Wetland inundation: Implication to the climate and downstream hydrology.*

4636. Urban Slums: Human Resilience and Community Feedbacks in the Developing World (Sponsored by Population Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Justin Stoler, University of Miami

CHAIR(S): Raymond Tutu, Delaware State University

4:40 Yasna Contreras*, Department of Geography, Faculty of Architecture and Urbanism, University of Chi, *Downtown Santiago: Gentrification, deterioration and slums? A mosaic approach to socio-spatial change.*

5:00 Shohei Nakamura*, University of Michigan, *Revealing Invisible Rules in Slums: The Nexus Between Perceived Tenure Security and Housing Investment.*

5:20 Madeleine A Northcote*, University of Western Ontario, *It's Like We are Nothing: Exploring Agency, Livelihood Strategies and use of the Informal Economy amongst Cape Town refugees.*

5:40 Angela Gray Subulwa*, University of Wisconsin Oshkosh, *Negotiating Refugee Integration in Mongu, Zambia: Lessons from self-settled Angolans.*

6:00 Raymond Tutu*, Delaware State University, *Migration of the Underprivileged to Old Fadama, Accra: the Conundrum of Multiple Dimensions of Social Exclusion.*

4637. Community Engagement and Responsible Research (Sponsored by Indigenous Peoples Specialty Group)

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): RDK Herman, National Museum of the American Indian

4:40 Laura A Hammersley*, Macquarie University, *Responsible learning and ethical community engagement: reciprocal exchanges between universities, students and Indigenous community-based partners.*

5:00 Jennifer A Thompson*, McGill University, *Research for Advocacy and Change: Interrogating Responses to Participatory Visual Research about Gender and Water across Urban and Rural Cameroon.*

5:20 David Crew*, Maquarie University, *Connecting past research: reflecting on old research in new settings - returning materials to the field fifty years on.*

5:40 Brad Jessup*, Melbourne Law School, The University of Melbourne, *Justice as Recognition: The Legal and Scientific Battles over the Wielangta Forest, Tasmania, Australia.*

Discussant(s): Sarah Hunt, Simon Fraser University

4639. Paleo and Modern Perspectives on Western Climates (Sponsored by Geographies of Climate Change, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Andrea Brunelle, University Of Utah; Jacqueline Shinker, University of Wyoming

CHAIR(S): Andrea Brunelle, University Of Utah

4:40 Andrea Brunelle*, University Of Utah; Thomas Minckley, University of Wyoming, *Using sediments to evaluate woody plant encroachment in the desert southwest, USA.*

5:00 Tom Minckley*, University of Wyoming, *Resilience of Desert Ecosystems to Holocene Environmental Change.*

5:20 Jacqueline J Shinker*, University of Wyoming, *Modern climate analogs of past hydrologic extremes in the Rocky Mountains.*

5:40 Vanessa G Chavez*, University of Utah; Andrea Brunelle,

Ph.D, University of Utah, *Ecological Responses to the North American Monsoon & El Niño Southern Oscillation in Northern Baja California.*

6:00 Joshua P Heyer*, University of Wyoming; Joshua P Heyer, University of Wyoming, *Causes of drought in the trans-boundary headwaters of the Rio Conchos, México.*

4640. CFP: Wildlife Conservation and Management Session 3 (Sponsored by Animal Geography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Elizabeth Walton, University of South Florida; Rebecca Loraamm

CHAIR(S): Cody Schank, University of Texas

4:40 Cody Schank*, University of Texas; Jennifer A Miller, University of Texas, *Building SDMs from temporally explicit environmental data: a test case using eBird and MODIS.*

5:00 Roy Petrakis*, University of Arizona; Miguel L. Villarreal, U.S. Geological Survey; Charles van Riper III, U.S. Geological Survey, *Using spatial data conflation and aggregation to improve avian habitat modeling and conservation planning.*

5:20 James Anderson*, Joni Downs; Rebecca Loraamm, *An Expanded and Applied Spatially Explicit Agent Based Model of Muscovy Duck Home Range Behavior.*

5:40 Rebecca Loraamm*, University of South Florida; Joni Downs, University of South Florida; James Anderson, University of South Florida, *Habitat Utilization of Urban Muscovy Ducks in Tampa, Florida.*

6:00 Heidi Haag; Elizabeth Walton, Ph.D.*, School of Geosciences, University of South Florida, Tampa, FL, *Spatial Analysis of Eastern Box Turtle Microhabitat Preferences in Southern Illinois.*

4654. Gold and Silver Socio-Natures: Theorizing Global Mining Histories (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Grand Salon C, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Freyja Knapp, University of California, Berkeley; Nancy Lee Peluso, University of California

CHAIR(S): Nancy Lee Peluso, University of California

4:40 Nancy Lee Peluso, PhD*, University of California, *The Indonesian Gold Rush in Smallholder Country.*

5:00 Petra Tschakert*, Penn State University, *Chinese Take-Away: Reframing Identities in Ghana's Artisanal Gold Mining Sector.*

5:20 Freyja Knapp*, University of California, Berkeley, *The Birth of the Flexible Mine: From Colonial Power to Global Sustainable Development.*

4655. Geographers Engage the Media: Triumphs, Travails, and Tips

Room: Grand Salon D, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Derek H. Alderman, University of Tennessee; Henri D. Grissino-Mayer, University of Tennessee

CHAIR(S): Derek H. Alderman, University of Tennessee

Discussant(s): Derek H. Alderman, University of Tennessee; Dydia DeLyser, Louisiana State University; Alexander Murphy, University of Oregon

Panelists: Henri D. Grissino-Mayer, University of Tennessee; William Moseley, Macalester College

4664. What Space for the Post-Security State? III: Critique and Countering Security (Sponsored by Political Geography Specialty Group)

Room: Florida Salon III, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Jeremy Crampton, University of Kentucky; Peter Adey, Royal Holloway, University of London

CHAIR(S): Craig A Jones, UBC

4:40 Matthew F. Rech*, Newcastle University, *A post-security state, or states of post-security? Counter military recruitment and the securing of space.*

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5:00 Hidefumi Nishiyama*, University of Warwick, *Towards a global genealogy of biometrics: race, biopolitics, and borders.*

5:20 Shannon O'Lear, Prof.*, University of Kansas; Eric Hanley, Prof., University of Kansas; Thomas Heilke, Prof., University of Kansas; Mariya Omelicheva, Prof., University of Kansas, *Special Operations Forces: A critical intervention.*

5:40 David Grondin*, University of Ottawa, *National Security as the American Way of Life: Can There Ever Be Privacy Outside the National Security State?.*

Discussant(s): Jeremy Crampton, University of Kentucky; Peter Adey, Royal Holloway, University of London

4667. Cultural Geography Specialty Group Annual Marquee Address (Sponsored by Cultural Geography Specialty Group)

Room: Florida Salon VI, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Christopher W. Post, Kent State University
 CHAIR(S): Christopher W. Post, Kent State University
 Introducer: Christopher W. Post
 Discussant(s): Joseph Scarpaci, West Liberty University

4668. Civil Rights Legacy III: Expanding the Boundaries and Identities (Sponsored by Study of the American South Specialty Group, The American South, Racism and Violence)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Joshua Inwood, University of Tennessee; Richard Wright, Dartmouth College; Derek H. Alderman, University of Tennessee
 CHAIR(S): Joshua Inwood, University of Tennessee
4:40 William Gribb*, University Of Wyoming, *Native American Sovereignty and Civil Rights: The Forgotten People.*
5:00 David w Hugill*, York University, *Compartmentalizing Colonial Violence: Liberal Anti-Racism, Civil Rights Traditions, and the "Indian Problem" in South Minneapolis, 1962-1975.*
5:20 Elizabeth Olson*, UNC-Chapel Hill, *The Ethics of Urgency.*
5:40 Eri Kitada*, The University of Tokyo, *Commemorative Street Naming in New York City: Memory, Diversity, and Segregation.*
6:00 Emma Gaalaas Mullaney*, The Pennsylvania State University, *Agrarian Imaginaries, the Right to the City, and the Erasure of the Rural.*

4669. Turkish Urban Researches 2 (Sponsored by Urban Geography Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Arif Keceli, Mehmet Akif Ersoy University
 CHAIR(S): Mim Sertac Tumas, Mehmet Akif Ersoy Univ.
4:40 Ismail Kervankiran*, Süleyman Demirel University, *Participation of National Development Planings To The Tourism of Turkey.*
5:00 Mustafa Yakar*, Süleyman Demirel University; Kadir Temurçin, Süleyman Demirel University, *Divorce In Turkey: Growth and Regional Disparities.*
5:20 Mim Sertac Tumas*, Mehmet Akif Ersoy Univ., *The Dynamics of Segregation In Urban Area: The Case Turkey.*

4671. China's Economic Geography (Sponsored by China Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Guo Chen, Michigan State University; David Edgington, University Of British Columbia
 CHAIR(S): David Edgington, University Of British Columbia
4:40 Liang-Chih Chen*, National Taiwan University, *Building and exploiting networks in China: The case of Taiwanese machine tool industry's China investments.*
5:00 Peng-Fei Li*, University of Toronto, *A Tale of Two Clusters: Knowledge, Interaction and Evolution of Aluminum Extrusion Industries in Dali and Linqu,*

China.

5:20 Shengjun Zhu*, Department of Geography, University of North Carolina at Chapel Hill, *Messuring economic and social upgrading in China's apparel industry.*

5:40 Yujia Zhao*; Canfei He, *Innovation Offsets or First-mover Advantage? How Does Porter Hypothesis Affect FDI Enterprises in China?.*

6:00 David W. Edgington, Dr.*, University Of British Columbia; Roger Hayter, Dr., Simon Fraser University, *Japanese Electronics Firms in China: Their Location and Behaviour Since 2001.*

4672. Author Meets Critics: Emily Yeh's "Taming Tibet: Landscape Transformation, and the Gift of Chinese Development" (Sponsored by China Specialty Group, Development Geographies Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Tim Oakes, University of Colorado
 CHAIR(S): Tim Oakes, University of Colorado
 Panelists: Asher Ghertner, Rutgers University; Jessica Wilczak, University of Toronto; Christian Lentz, UNC Department of Geography; Piper Gaubatz, University Of Massachusetts; Emily T Yeh, University of Colorado

4673. Socio-Environmental Effects of Natural Resource Extraction at Difference Scales (Sponsored by Scale and Sustainability)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Scale and Sustainability
 CHAIR(S): Klaus Hubacek, University of Maryland
4:40 Marion SABRIE*, Ecole des Hautes Etudes en Sciences Sociales/Centre Asie du Sud-Est - Paris, *The Irrawaddy River in the territorial dynamics of the Kachin State.*
5:00 Yi Zhou*; Canfei He, *Environment Effect of the Changing Industrial Geography in China.*
5:20 David Ferring*, Rutgers University; Emmanuel Effah, University of Mines and Technology, Ghana; Heidi Hausermann, Rutgers University, *Site Specific: Heterogeneity of small-scale gold mining in Ghana.*
5:40 Elisa Arond*, Clark University, *Politics of Scale, Politics of Knowledge: Tying Monetary Benefits from Non-Renewable Natural Resource Extraction to Decentralization of Science, Technology and Innovation in Colombia.*
6:00 Klaus Hubacek*, University of Maryland, College Park; Kuishuang Feng, University of Maryland, College Park; Jan Minx, Potsdam Institute for Climate Impact Research, Potsdam, Germany; Stephan Pfister, ETH Zurich, Zurich, Switzerland; Naijun Zhou, University of Maryland, College Park, *Teleconnecting consumption to environmental impacts at multiple spatial scales - research frontiers in environmental footprinting.*

4674. Race, Gender and Geography II: Colonialism and Empire (Sponsored by Geographic Perspectives on Women Specialty Group, Racism and Violence)

Room: Meeting Room 7, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Rupal Oza, Hunter College, CUNY
 Introducer: Audrey L. Kobayashi
 Discussant(s): Beverley Mullings, Queen's University
 Panelists: Leela Viswanathan, Queen's University; Patricia Daley; Amber Murrey-Ndewa, University of Oxford

4678. Legal-Financial Geographies V: Risk and the State in New Financial Frontiers (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Panel Session)
 ORGANIZER(S): Shaina Potts, UC Berkeley Geography; Benjamin Teresa

- CHAIR(S): Mark Kear, Simon Fraser University
 Discussant(s): Shaina Potts, UC Berkeley Geography; Patrick Bigger, University of Kentucky
 Panelists: Geoff Mann, Simon Fraser University; Benjamin Teresa; Mark Kear, Simon Fraser University
- 4679. Reanimating Region (Sponsored by Cultural Geography Specialty Group)**
Room: Meeting Room 10, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): James F Riding, The University of Sheffield; Martin Jones, University of Sheffield
 CHAIR(S): James F Riding, The University of Sheffield
4:40 Martin Jones*, University of Sheffield, *New New Regional Geography*.
5:00 Camilla Berglund, PhD-Candidate*, University of Karlstad, Sweden; Ida Grundel, PhD-Candidate*, University of Karlstad, Sweden, *Political Regions, Human Landscapes - A divide between political policies and human meanings and practices?*.
5:20 Lucy Frears, PhD researcher*, Falmouth University; Lucy Frears, PhD Researcher, Falmouth University, UK, *Unlocking the Landscape Using Locative Media. A Cornish Case Study - Mindscape, Landscape, Bodyscape..*
5:40 Jorn Seemann*, Universidade Regional do Cariri, *Regions on the Mind and on the Map: a Cultural-Cartographic Approach*.
6:00 James F Riding*, The University of Sheffield, *New Regional Geographies (For Sarajevo)*.
- 4680. Multi-temporal Analysis of Remote Sensing Data: Methods and Applications II (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Meeting Room 11, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Le Wang, SUNY at Buffalo; Bing Xu
 CHAIR(S): Bing Xu
4:40 Yi Qiang*, Louisiana State University; Nina Lam, Dr., Louisiana State University, *Modeling Land Use And Land Cover Changes In A Vulnerable Coastal Region Using Artificial Neural Network*.
5:00 Qiusheng Wu*, University of Cincinnati; Hongxing Liu, University of Cincinnati, *Kriged Kalman filtering for spatio-temporal soil moisture estimation*.
5:20 Cuizhen (Susan) Wang*, University of South Carolina; Cheng Zhong, University of South Carolina, *Assessing Bioenergy-driven Agricultural Land Use Change and Biomass Quantification with Time-series MODIS Imagery in the U.S. Midwest*.
5:40 Fei Yuan*, Minnesota State University, Mankato; Martin Mitchell, Minnesota State University, *Long-term Land Use Changes affected by the Conservation Reserve Program along the Minnesota River Basin*.
6:00 Le Wang*, SUNY at Buffalo; xiaomeng liu, Capital Normal University, *Mapping Mangrove Gap dynamics with Multi-temporal remote sensing images*.
- 4681. Going public? The ethics of sharing, visibility and recognition in participatory research with young people**
Room: Meeting Room 12, Marriott, Third Floor (Panel Session)
 ORGANIZER(S): Luke A Dickens, Youth Music; Melissa Butcher, The Open University
 CHAIR(S): Luke A Dickens, Youth Music
 Panelists: Hannah Macpherson, University of Brighton; Nicholas J Crane, The Ohio State University; Nicole Nguyen, Syracuse University; Nelly Ali; Melissa Butcher, The Open University
- 4682. Labour geography and migrant work 3 (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: Meeting Room 13, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Siobhán Mcphee, University of British Columbia; Ben Rogaly, University of Sussex; Michelle Buckley, University of Toronto Scarborough
 CHAIR(S): Ben Rogaly, University of Sussex
4:40 Noelani K. X. Eidse, BA Hon.*, McGill; Sarah Turner, PhD, McGill University, *Precariousness on Paper: Using Solicited Diaries to Explore the Everyday Experiences of Migrant Vendors in Hanoi, Vietnam*.
5:00 Michelle Buckley*, University of Toronto Scarborough, *On the practice and praxis of multi-sited research: comparing migrant workers' experiences in the construction trades*.
5:20 Ulrikke Bryn Wethal*, Centre for Development and the Environment, University of Oslo, *Chinese workplace regimes in Mozambique - balancing exportation and adaptation*.
5:40 Seonyoung Seo*, National University of Singapore, *Regulatory migration regime, new formations of mobility and the production of spaces: the case of low-waged Nepalese workers in South Korea*.
 Discussant(s): Siobhán Mcphee, University of British Columbia

FRIDAY, APRIL 11 • 6:30/7:00 PM

AAG Atlas Award: Julian Bond, Civil Rights Pioneer and Professor Emeritus, University of Virginia

"Race around the World"

Friday, April 11, 6:30 p.m. - 8:00 p.m.

Room: *Grand Salon E, Marriott, Second Floor*

Opening Remarks: **Douglas Richardson**, AAG Executive Director
Introduction: **Joe T. Darden**, Michigan State University
Speaker: **Julian Bond**, University of Virginia

"Race around the World" is an examination of how civil rights figures and civil rights organizations played a role in shaping and changing American foreign policy.

Julian Bond has played a central role throughout the U.S. Civil Rights Movement, as a leading figure in the Student Nonviolent Coordinating Committee and as co-founder and first president of the Southern Poverty Law Center. Bond was repeatedly elected to the Georgia General Assembly for 20 years, including six terms as a state senator. More recently, he has served as Chairman of the NAACP for 12 years, from 1998 to 2010.

AAG President, **Julie Winkler**, will confer the 2014 AAG Atlas Award to Professor Bond following his address.

AAG World Geography Bowl

Friday, April 11, begins at 7:00 p.m.

Room: *Rooms 21, 22, 23 and Ballroom B, TCC, First Floor*

Student teams from the AAG's regional divisions will compete in a round robin tournament starting at 7:00 p.m. in Rooms 21, 22, 23 and Ballroom B of the Tampa Convention Center. The Championship Round will begin at approximately 10:00 p.m.

Directors:

Andrew Shears, Mansfield University

Niem Tu Huynh, Association of American Geographers

Volunteers and Question Authors:

Andrew Allen, University of Kansas; Casey Allen, University of Colorado Denver; Don Colley, San Diego State University; Jamison Conley, West Virginia University; Richard Deal, Edinboro University; Dawn Drake, Missouri Western University; Robert Edsall, Idaho State University; Emily Fekete, University of Kansas; Peggy Gripshover, Western Kentucky University; Patrick May, Plymouth State University; Lee Nolan, Pennsylvania State University; Wesley Reisser, George Washington University; Michael Webb, University of North Carolina

FRIDAY, APRIL 11 • 7:30 PM - 8:30 PM • 4800

4817. Cartography Specialty Group Business Meeting (Sponsored by Cartography Specialty Group)

Room: *Room 17, TCC, First Floor* (Meeting Session)

ORGANIZER(S): Program Committee

FRIDAY, APRIL 11 • 8:30 PM - 9:30 PM • 4900

4911. Socialist and Critical Geography Specialty Group Business Meeting (Sponsored by Socialist and Critical Geography Specialty Group)

Room: *Room 11, TCC, First Floor* (Meeting Session)

ORGANIZER(S): Program Committee

4912. Qualitative Research Specialty Group Business Meeting (Sponsored by Qualitative Research Specialty Group)

Room: *Room 12, TCC, First Floor* (Meeting Session)

ORGANIZER(S): Program Committee

4937. Study of the American South Specialty Group Business Meeting (Sponsored by Study of the American South Specialty Group)

Room: *Room 37, TCC, Fourth Floor* (Meeting Session)

ORGANIZER(S): Program Committee

Presenting author(s) are indicated with an asterisk ().*

For special events, please see the Special Events & Meetings Summary on p. 44-48.

AAG 2014 Mobile App
for iOS, Android and Blackberry



SATURDAY, APRIL 12 • 8:00 AM - 9:40 AM • 5100

- 5103. Classes and Castes of Urban Waste Work: Contexts, processes and practices of waste governance in contemporary India**
Room: Room 3, TCC, First Floor (Paper Session)
 ORGANIZER(S): Aman Luthra, Johns Hopkins University; Manisha Anantharaman, University of California at Berkeley
 CHAIR(S): Freyja Knapp, University of California, Berkeley
8:00 Aman Luthra, PhD Candidate*, Johns Hopkins University, *The folly of waste-to-energy: development payola, the agency of matter, and the struggle over dry waste.*
8:15 Manisha Anantharaman*, University of California at Berkeley, *Remembering and Reimagining a Garden city: Garbage Politics in Bangalore, India.*
8:30 Jacqueline Cieslak*, University of Virginia, *Claims to Dignity: Manual scavenging, public toilets, and the politics of untouchability in Delhi.*
 Discussant(s): Freyja Knapp, University of California, Berkeley
- 5105. Arts of Encounter/ Encountering Art 1: Encountering, Embodying, Empowering**
Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Harriet Hawkins; Hannah Macpherson, University of Brighton
 CHAIR(S): Harriet Hawkins
8:00 Charlotte Veal*, University of Nottingham, *Encountering Dance Performance in 'Black' Cape Town: Slavery (2013).*
8:20 Gwenda van der Vaart*, University of Groningen; Bettina van Hoven, University of Groningen, *Community arts projects, social capital & community resilience.*
8:40 Richard Bater*, King's College London, *Arts of Geopolitics.*
9:00 Katrinka Somdahl-Sands*, Rowan University; Jillian Rickly-Boyd, Indiana University--Bloomington, *Reclaiming the scale of landscape? When dance visually dominates the scene?..*
- 5107. Geographies of prejudice I: understanding contemporary forms of discrimination (Sponsored by Sexuality and Space Specialty Group)**
Room: Room 7, TCC, First Floor (Paper Session)
 ORGANIZER(S): Catherine Harris, University of Sheffield; Aneta Piekut, University of Sheffield; Anna Gawlewicz, University of Sheffield
 CHAIR(S): Nichola Wood, University of Leeds
8:00 Gill Valentine*, University of Sheffield, *The privatisation of prejudice?: reflections on public understandings of equality legislation, '(in)justice and the future of social relations.*
8:20 Sinead O'connor*, University College Cork, *Prejudice, micro-publics and the university: International students' experiences of discrimination and prejudice at University College Cork, Ireland.*
8:40 Jane YeonJae Lee*, University of Massachusetts Boston, *Being non-Christian in a Christian community: Experiences of belonging and prejudice among religiously marginalized Korean Americans living in Boston.*
9:00 Jana Verstraete*, Faculty of Architecture, KU Leuven, Campus Sint Lucas Brussel (LUCA); Nathalie Perrin, Local Environment Management & Analysis (LEMA), University of Liège; Bruno Meeus, Faculty of Architecture, KU Leuven, Campus Sint-Lucas Brussel (LUCA); Isabelle Pannecoucke, Faculty of Architecture, KU Leuven, Campus Sint-Lucas Brussel (LUCA); Jacques Teller, Local Environment Management & Analysis (LEMA), University of Liège; Pascal De Decker, Faculty of Architecture, KU Leuven, Campus Sint-Lucas Brussel (LUCA), ARMP Ghent University, *Not in my house... An exploration of discriminatory practices on the Belgian private rental market.*
- 5108. FQG: Feminist Pedagogies (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: Room 8, TCC, First Floor (Panel Session)
 ORGANIZER(S): Kristin Sziarto, University of Wisconsin-Milwaukee; Alison Bain, York University
 CHAIR(S): Kristin Sziarto, University of Wisconsin-Milwaukee
 Discussant(s): Farhana Sultana, Syracuse University
 Panelists: Nicole Laliberte, University of Toronto Mississauga; Anna Mansson McGinty; Alison Bain, York University; Kristin Sziarto, University of Wisconsin-Milwaukee; Michele Flippo Bolduc, University of Kentucky
- 5111. Water in the South (Sponsored by Study of the American South Specialty Group, The American South)**
Room: Room 11, TCC, First Floor (Panel Session)
 ORGANIZER(S): Christopher F. Meindl, University of South Florida, St. Petersburg; Craig Colten, Louisiana State University
 CHAIR(S): Christopher F. Meindl, University of South Florida, St. Petersburg
 Discussant(s): Craig Colten, Louisiana State University
 Panelists: Christopher F. Meindl, University of South Florida, St. Petersburg; Martin Doyle, Duke University; William Graf, University of South Carolina; Johnny KA Wong, University of South Florida
- 5112. Title: Ideology, Hegemony and Discourse (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Room 12, TCC, First Floor (Panel Session)
 ORGANIZER(S): Waqar Ahmed, University of North Texas; Ipsita Chatterjee, University of North Texas
 CHAIR(S): Ipsita Chatterjee, University of North Texas
 Discussant(s): Lawrence D Berg, University of British Columbia
 Panelists: Salvatore Engel-DiMauro, SUNY New Paltz; Michael Ekers, University of Toronto, Scarborough; Matthew Hannah, Universität Bayreuth; Raju Das, York University
- 5113. Dendrochronology I: Dendrochronological Disturbances (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)**
Room: Room 13, TCC, First Floor (Paper Session)
 ORGANIZER(S): Stockton Maxwell, Radford University; Henri D. Grissino-Mayer, University of Tennessee
 CHAIR(S): Evan R Larson, The University of Wisconsin - Platteville
8:00 Matthew Bekker*, Brigham Young University, *Spatial Variation in Tree-Ring Responses to the 1983 Borah Peak Earthquake and Co-Seismic Mass Movement.*
8:20 Savannah A. Collins*, The University of Tennessee; Henri D. Grissino-Mayer, The University of Tennessee, *Detecting Tropical Cyclone Signals in Tree Growth Responses of Loblolly Pine, Lake Louise, Georgia, U.S.A..*
8:40 Jenell Jackson*, Humboldt State University; Sabrina R. Brown, Indiana State University; Theresa Dinh, University of Guelph; Kyle G. Gill, University of Minnesota; Javier Martin-Fernandez, Lamont Doherty Earth Observatory of Columbia University; Joseph L. Pettit, Indiana State University; R. Stockton Maxwell, Radford University; James H. Speer, Indiana State University, *Disturbance History of Eagle Cliffs, Black Rock Forest: a Dendroecological Approach.*
9:00 Henri D. Grissino-Mayer*, The University of Tennessee; Daniel G. Gavin, The University of Oregon; Monica T. Rother, The University of Colorado-Boulder; Elizabeth A. Schneider, The University of Tennessee, *Testing Fire Synchrony and Fire-Climate Relationships in Dendroecology using the One-Dimensional Ripley's*

SATURDAY, APRIL 12 • 8:00 AM - 9:40 AM • 5100

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- 9:20** Evan R Larson, Ph.D.*, The University of Wisconsin-Platteville; Kun Tian, Ph.D., The University of Wisconsin-Platteville; Henri D Grissino-Mayer, Ph.D., The University of Tennessee, Knoxville, *Interdisciplinary Collaborations for Reengineering Fire History and Tree-Ring Software.*

5114. Urban Development and Redevelopment

Room: Room 14, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): MinKyung Koh, Ohio State University

- 8:00** Kevin Hoekman*, South Dakota State University, *Urban Revival and Place in Downtown Sioux Falls, South Dakota.*
- 8:20** Jung-Ying Chang*, National Taipei University, *Thinking creative cluster evolution beyond the life cycle model: Lessons from Beijing.*
- 8:40** Tommi Inkinen*, University of Helsinki, *Geography meets architecture in a knowledge city: The University of Helsinki's new main library as a knowledge location.*
- 9:00** Karin Pfeffer*, University of Amsterdam; Isa Baud, University of Amsterdam, *Mapping processes, maps as products in strategic urban development in the global South.*
- 9:20** MinKyung Koh*, Ohio State University, *Mapping urban mosaics in the context of Asia.*

5115. Global Countrysides and Hinterlands: Rural Communities in an Era of Globalization (Sponsored by Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Faranak Miraftab, University of Illinois; Rachel Harvey; Matthew R Sanderson, Kansas State University

CHAIR(S): Faranak Miraftab, University of Illinois

- 8:00** Rachel Harvey*, Columbia University, *Backlash in the Global Hinterland.*
- 8:15** Matthew R Sanderson*, Kansas State University, *Global Countryside: Unequal Ecological Exchange and Groundwater (Un)Sustainability in Western Kansas.*
- 8:30** Marc Doussard*, University of Illinois at Urbana-Champaign, *Workplace Inequalities Beyond the Global Metropolis: Organizing Workers and Jumping Political Scale in St. Louis and Indianapolis.*
- 8:45** Faranak Miraftab, Dr.*, University of Illinois, Urbana Champaign, *The Global in my Illinois Backyard.*
- Introducer: Faranak Miraftab
- Discussant(s): David Wilson, University of Illinois

5116. Land Change Modeling I: Methods and Techniques (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Ting Liu, Florida State University; Xiaojun Yang, Florida State University

CHAIR(S): Ting Liu, Florida State University

- 8:00** Kang S Lu, Ph.D.*, Towson University; Xiaofeng Wang, Ph.D., Shaanxi Normal University, *Geographically Weighted Artificial Neural Networks for Multicore Urban Growth Modeling.*
- 8:20** Gordon M Green*, City University of New York, *Modeling Land Cover Change Using On-Demand Simulation.*
- 8:40** Gargi Chaudhuri*, University of Wisconsin La Crosse, *Urban Growth Forecasting: Limits of temporal accuracy in SLEUTH land use change model.*
- 9:00** Michelle L Johnson*, University of Maine; Spencer R Meyer, University of Maine; Robert J Lilieholm, PhD, University of Maine; Christopher S Cronan,

PhD, University of Maine, *Integrating storylines with a spatial allocation model to construct land use scenarios of future development and land conservation patterns.*

- 9:20** Michael Page*, Emory University, *Taking Measure of the Samothrace Landscape.*

5117. African Post-Colonial Geography

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eunice Sahle

- 8:00** Iddi Adam*, University of Wisconsin - Marshfield, *Politics, Resources and the Changing Geography of Space: The Case of Shifting Chieftaincy Politics in Nanung, Ghana..*
- 8:20** Maano Ramutsindela*, University of Cape Town, *Postcolonial violence and 'staged politics': South Africa at 20.*
- 8:40** Adebisi Funsho Adedayo*, university of Ilorin, *Adverse Geography and the Challenge of Sustainable Development in Nigeria.*
- 9:00** Edward Ramsamy*, Rutgers University, *The Elusive Goal of Social Justice in a Neo-Liberal Age: A Critical Analysis of South Africa's Economic Policies since 1994.*
- 9:20** Eunice Sahle, Dr.*, University of North Carolina at Chapel Hill, *Reconstituting state space in Malawi and Tanzania.*

5119. Linking Health and Environment: Ecology, Epidemiology and Geography of Infectious Diseases

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Yi-Chen Wang, National University of Singapore

CHAIR(S): Yi-Chen Wang, National University of Singapore

- 8:00** Korine Kolivras*, Virginia Tech; Yili Hong, Virginia Tech; Jie Li, Virginia Tech; Stephen P. Prisle, Virginia Tech; James B. Campbell, Virginia Tech; David N. Gaines, Virginia Department of Health; S. Liz Seukep, Virginia Tech; Spencer Shanholtz, Virginia Tech; Randel L. Dymond, Virginia Tech, *Links Between Environmental Variability and Lyme Disease at Multiple Spatial Scales.*
- 8:20** DongMei Chen*, Queen's University; Haydi Wong, Department of Geography, *The impact of deer habitat on spatial and temporal dynamics of Lyme disease risk in eastern Ontario, Canada.*
- 8:40** Michael Emch*, University of North Carolina at Chapel Hill; Margaret Carrel, University of Iowa; Jaymin Patel, University of North Carolina at Chapel Hill; Mark Janko, University of North Carolina at Chapel Hill; Steve Taylor, University of North Carolina at Chapel Hill; Steve Meshnick, University of North Carolina at Chapel Hill, *Spatial Patterns of Drug-resistant Malaria in the Democratic Republic of Congo: A Landscape Genetics Approach.*
- 9:00** Deborah Thomas*, University of Colorado Denver; Elias Charles, Catholic University of Health and Allied Sciences; Levi Bonnell, University of Colorado Anschutz Medical Campus; Caroline Croyle, Columbia University; Sospatro Ngallaba, Catholic University of Health and Allied Sciences; Daniel Makerere, Catholic University of Health and Allied Sciences, *Local Geographies of Rabies in Kasulu and Kibondo Districts, Tanzania.*
- 9:20** Yi-Chen Wang*, National University of Singapore; Chen-Chieh Feng, National University of Singapore; Xueyuan Ong, National University of Singapore; Paiboon Sithithathorn, Khon Kaen University, Thailand, *Liver Fluke in Southeast Asia: Explorations of Human-Environment Interactions on Disease Transmission.*

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5120. Indigenous Sovereignty, Identity and Self-Determination (Sponsored by Indigenous Peoples Specialty Group)

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Warren Bernauer, York University

8:00 Beth Tamayose*, FSU, *Geographies of sustainability and indigeneity in the Pacific: Conflicts and compromises in Samoa, American Samoa, and Hawai'i.*

8:20 Carla M Sullivan*, University of Ottawa; Carla M Sullivan, BA, University of Ottawa, *Round Dancing the Rotunda: Decolonizing the University of Ottawa.*

8:40 Heather Dorries*, University of British Columbia, *"God bless all of us, God bless our land": Reconciliation and Affirmation of Settler Sovereignty.*

Discussant(s): Warren Bernauer, York University

5121. Consequences of forest fragmentation

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): Melanie McCavour, concordia university

CHAIR(S): Solomon P Gbanie, University of New South Wales

8:00 Kim Diver*, Wesleyan University, *A habitat analysis for cerulean warbler under threat from ash decline in the Finger Lakes Region.*

8:20 Michelle Stuhlmacher*, George Washington University; Achim Haeger, Ph.D., School for Field Studies, *Land-use factors influencing plant similarity between forests and agroforests.*

8:40 Solomon P Gbanie*, School of PEMS, University of New South Wales, Canberra, Australia; Amy Griffin, PhD, School of PEMS, University of New South Wales, Canberra, Australia; Alec Thornton, PhD, School of PEMS, University of New South Wales, Canberra, Australia, *The impact of LULC change and landscape fragmentation on land surface temperatures in post-war Sierra Leone.*

5122. Fire, Dust, and Wind

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Gang He, University of California, Berkeley

8:00 Jacob D Lesser*, Western Washington University, *Using multivariate linear models and multispectral imagery to detect fire disturbed landscapes.*

8:20 Xiaoling Hu, Remote Sensing Center of Shanxi Province, Taiyuan, Shanxi, China, 030001; Song Yu*, Remote Sensing Center of Shanxi Province, Taiyuan, Shanxi, China, 030001; Aimin Yang, Remote Sensing Center of Shanxi Province, Taiyuan, Shanxi, China, 030001; Jason Yang, Ball State University, *Detection of coal spontaneous burning areas using remote sensing.*

8:40 Manzhou Yu*, George Mason University; Chaowei Yang, George Mason University; Jizhe Xia, George Mason University; Songqing Chen, George Mason University; M. Hassan, George Mason University, *Data Assimilation for Dust Model Accuracy Improvement.*

9:00 Mattias SO Gradén*, University of Dalarna, *Large scale wind power plants in forested land, Sweden.*

9:20 Gang He*, Energy and Resources Group, University of California, Berkeley; Daniel M. Kammen, Energy and Resources Group, University of California, Berkeley, *A Provincial-scale Wind Resource Assessment for China Based on a Decade of Hourly Wind Speed Data.*

5123. Coastal and Marine Environments

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael R Desjardins, Keene State College

8:00 Hannah Torres, Ph.D. Student*, University of South Florida; Kamal Alsharif, Ph.D., University of South Florida, *Mind the Gaps: Assessing Institutional Gaps*

and Overlaps in the Gulf of Mexico.

8:20 Catherine King*, NYU, *Developing Ecosystem-Based Fisheries Management in the New England Groundfishery: Operationalizing Principles and Goals.*

8:40 Manuel McIlroy*, Florida Atlantic University; Christopher R. Kelble, Ph.D., NOAA, *Quantitative Analysis of Relationship between Fish Assemblages and Significant Water Quality Parameters in Lake Worth Lagoon.*

9:00 Michael R Desjardins*, Keene State College, *A Geographic Analysis of Coral Reef Conservation at Local and Global Scales: A mixed-methods approach in the Turks and Caicos.*

9:20 Alycia Rajendran*, *Temp.*

5124. Rent Relations in the Financialized Economy

Room: Room 24, TCC, First Floor (Panel Session)

ORGANIZER(S): Benjamin Teresa; Desiree Fields, Queens College

Panelists: Eric Clark, Lund University; Elvin Wyly, University of British Columbia; Daniel Hammel, NSF; Anne Haila, University of Helsinki

5130. Eurasia's Environmental, Economic, and Geopolitical Transformations: Part IX, Conflict (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut

CHAIR(S): Jeremy Tasch, Towson University

8:00 Agnes Eross*, Geographical Institute, RCAES Hungarian Academy of Sciences, *"Fights" vs. "Friendship": mapping ethnicity and violence in an ethnic conflict zone.*

8:20 Julie Minde*, GMU, *Developing Bridging Narratives for Conflict Resolution through Participatory GIS (PGIS): a Hypothetical Case Study of Water in the South Caucasus.*

8:40 Brandon J. Miliate, PhD Student*, Indiana University-Bloomington, *Great Games and Genocide: Circassian Exceptionalism.*

9:00 Medea Badashvili, PhD*, Tbilisi State University, *The impact of the recent political events in Middle East on socio-economic, political and demographic situation of Georgia.*

5131. The Political Geography of Climate Change: Conflict, Resiliency and Adaptation (Sponsored by Geographies of Climate Change)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Geographies of Climate Change

CHAIR(S): Dennis H Klein, Boundary Solutions

8:00 Marcus Ednarrson, Ph.D.*, Umeå University, *Evaluating Tourist Perception of climate change and future landscape changes in an iconic landscape: A Case Study of visitors to Abisko, Sweden.*

8:20 Erin D Dascher, M.S.*, Texas State University - San Marcos; Richard A Earl, Ph.D., Texas State University - San Marcos; James F Petersen, Ph.D., Texas State University - San Marcos, *Some Hydrologic Implications of Climatic Variation in Texas.*

8:40 Peter H. Murtaugh, MS - Geography*, Diamond Grey, *Developing a One-Stop-Shop Examining Climate Change Issues for the Great Lakes.*

9:00 Dennis H Klein, GISP, Boundary Solutions, Inc.; Dennis H Klein*, Boundary Solutions, *Parcel-Level Sustainable/ Equitable Communities Compliance GIS Data Protocol.*

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- 5132. Climate variability, hydrology and renewable energy (Sponsored by Geographies of Climate Change, Climate Specialty Group)**
Room: Room 32, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Johanna Engstrom, University of Florida
 CHAIR(S): Johanna Engstrom, University of Florida
8:00 Johanna Engstrom*, University of Florida, *Climate impacts on hydropower in the southeast United States*.
8:20 Gilman Ouellette*, Louisiana State University; Jason Polk, Western Kentucky University; Yemane Asmerom, University of New Mexico; Victor Polyak, University of New Mexico; Aaron Celestian, Western Kentucky University; Lowell Neeper, Western Kentucky University, *Barbadian Precipitation Patterns Reconstructed from Cave Deposits: a Multidecadal Examination of Rainfall Regimes and Potential Teleconnection Influences*.
8:40 Bohumil M. Svoma, PhD*, University of Missouri, *El Niño-Southern Oscillation and Synoptic-Scale Flow during Precipitation Events in the Western United States*.
9:00 Flurina Schneider*, Arizona State University; Tobias Buser, Center for Development and Environment, University of Bern; Olivier Graefe, Geography Unit, Department of Geosciences, University of Fribourg, *Scales of justice in water governance: Hydropower controversies in Switzerland*.
- 5133. Spatial Optimization and Analysis I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Room 33, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Ran Wei, Arizona State University; Daoqin Tong, University of Arizona - Geography & Regional Development
 CHAIR(S): Ran Wei, Arizona State University
8:00 Hyun Kim*, University of Tennessee; Michael Vandrerlan, University of Tennessee, *A Geographical perspective: Behaviour of hub location in hub network design*.
8:20 Michael Kuby, PhD*, Arizona State University; Jong-Geun Kim, PhD, Seoul National University; Ismail Capar, PhD, Texas A&M University, *Optimal Location of Natural Gas Fuel Stations for Trans-Europe Trucking*.
8:40 Yongha Park*, Department of Geography, The Ohio State University; Morton O'Kelly, Department of Geography, The Ohio State University, *Operational Assessment of Fuel Consumption with Aircraft Fleet Composition for Long-haul Intercontinental Passenger Flights*.
9:00 Richard Church*, UCSB, *Developing frugal spatial optimization models for geographical analysis*.
9:20 Ran Wei*, Oregon State University; Daoqin Tong, University of Arizona, *A comparative analysis of continuous space coverage modeling*.
- 5134. Textual Analysis in Political and Historical Geography**
Room: Room 34, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kristin Sorensen
8:00 Priya Dixit*, Virginia Tech, *Surveying (Terrorism) Surveys: A Discourse Analysis of How Surveys Make Sense of Terrorism*.
8:20 Doug Foster, PhD Candidate*, University of Oregon, *Hegemonic Turning Points: Vietnam, Iraq and the All-Volunteer Force*.
8:40 Kristin Sorensen*, *Euro-American Population Settlement of The Great Plains 1854-1870*.
- 5135. "Resilient Peasants": Agrarian Questions in an Era of Global Climate Change (Sponsored by Geographies of Climate Change, Development Geographies Specialty Group)**
Room: Room 35, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Alejandro Camargo, Syracuse University
 CHAIR(S): Kathleen McAfee, San Francisco State University
8:00 Alejandro Camargo*, Syracuse University, *"Resilient Peasants", Agrarian Questions, and the Politics of Global Climate Change: An Introduction*.
8:20 Josh Bazuin*, Vanderbilt University; James Fraser, Vanderbilt University, *Not food but debt: Drought vulnerability in Sri Lanka's dry zone*.
8:40 Richard C Owens, University of Georgia; Rich C. Owens*, University of Georgia, *The Last Great Enclosure: Agrarian Transition and Peasant Resilience in Highland Vietnam*.
9:00 Rocelyn De Vera*, UP Diliman-Dept. of Geography, *Sustainable Agriculture in Magallanes, Sorsogon, Philippines in the Face of Climate Change*.
9:20 Paul O'Keefe*, West Virginia University, *Livelihood Diversification: a Process of Enhancing Resilience or an Outcome of the Inability to Commodify Household Labor?*.
- 5136. New Spaces of Internet Activity 1: Cyber-infrastructure, Cyber-geopolitics and the State (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: Room 36, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Emily Fekete, University of Kansas; Donald Colley III, San Diego State University
 CHAIR(S): Donald Colley III, San Diego State University
8:00 Paul C. Adams, PhD*, University of Texas at Austin, *Place, Politics and Social Media*.
8:20 Steven Radil*, Ball State University, *#Geopolitics: Social media, geopolitical representation, and the state*.
8:40 Barney Warf*, University of Kansas, *The Hermit Kingdom in Cyberspace: Unveiling the North Korean Internet*.
9:00 Emily Fekete*, University of Kansas, *Seeing is Believing: Video Technology, the Arab Spring, and Online Spaces of Protest*.
 Discussant(s): Donald Colley III, San Diego State University
- 5137. Engaged Scholarship in Critical Geography: Theory, Practice and Pedagogy**
Room: Room 37, TCC, Fourth Floor (Panel Session)
 ORGANIZER(S): Benjamin Gardner, University of Washington Bothell; Tracey Osborne, University of Arizona
 CHAIR(S): Christian Anderson, University of Washington at Bothell
 Discussant(s): Gregory Simon, University of Colorado Denver
 Panelists: Rebecca Lave, Indiana University Dept of Geography; Meghan Cope, University of Vermont; Teo Ballve, UC Berkeley; Amy Piedalue, University of Washington; Juan De Lara, University of Southern California
- 5139. Critical Approaches to Urban Water Governance I (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Water Resources Specialty Group)**
Room: Room 39, TCC, Fourth Floor (Paper Session)
 ORGANIZER(S): Michael Finewood, Chatham University; Ryan Holifield, University of Wisconsin ? Milwaukee
 CHAIR(S): Michael Finewood, Chatham University
8:00 David Sauri, Dr*, Department de Geografia, UAB; Hug March, Dr., IN3, Universitat Oberta de Catalunya, *Reconfigurations of urban hydrological cycles under conditions of declining water consumption: the case of Metropolitan Barcelona*.
8:20 Paola Rattu*, University of Lausanne, Institute of Geography and Sustainability, *"Soft" versus "hard" neoliberalism in the Swiss Water Sector*.
8:40 Anne-Marie Debbane*, San Diego State University, *Privatizing sewage in Durban, South Africa*.
9:00 Tatiana Acevedo*, Université de Montréal, *The Public Utility Corporation: Water governance in Colombia*:

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- 9:20 Rachel Russell, PhD*, University of Wisconsin-Green Bay, *Evaluating Urban Sustainability Contributions of Centralized and Decentralized Wastewater Treatment Infrastructure in Tijuana, Mexico.*

5140. Landscapes of Energy Production (Sponsored by Landscape Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Shanon P Donnelly, University of Akron
CHAIR(S): Shanon P Donnelly, University of Akron

- 8:00 Thoreau Rory Tooke*, University of British Columbia; Stephen Sheppard, University of British Columbia; Nicholas Coops, University of British Columbia, *Mapping Local Sustainable Energy Landscapes.*

- 8:20 David Fazzino*, University of Alaska Fairbanks, *"Upsetting but not a Tragedy": Displacement, Preservation, Conservation and Development in the Shadow of the Tocks Island Dam in Northeast Pennsylvania.*

- 8:40 Bohumil Frantál, Institute of Geonics, Academy of Sciences of the Czech Republic, Brno; Stanislav Martinat*, Institute of Geonics, Academy of Sciences of the Czech Republic, Ostrava, *Landscape commodification and environmental injustice of coal energy in the Czech Republic.*

- 9:00 Kim Ogren*, Oregon State University, *Understanding the Role of Geography in the Structure and Implementation of Water Governance Processes.*

- 9:20 Shanon P Donnelly*, University of Akron, *Landscape effects of shale gas drilling (fracking) in Eastern Ohio.*

5155. China Population and Development Issues

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xiaoxia XU, The university of Hong Kong

- 8:00 Junsong Wang*, East China Normal University, *How Political Pecking Order Affect Location Pattern of Chinese Enterprises?*

- 8:20 YAN MA*, Canfei He, *Market fragmentation and urban exports in China.*

- 8:40 Jacob Wang*, Peking University, *Location Choose Pattern of Hotels in Beijing.*

- 9:00 Hongsheng Li*, LREIS,IGSNRR,CAS; Jiafu Han, LREIS,IGSNRR,CAS; Bin Luo, LREIS,IGSNRR,CAS, *Visual Analysis of OD Matrix on Chinese Floating Population.*

- 9:20 Xiaoxia XU*, The university of Hong Kong, *Scaling upward as a tool for local development: case of Tianjin and Guangzhou.*

5156. Geospatially Integrated Modeling and Mapping Scale 2 Sensitivity Analysis

Room: Grand Salon E, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Boleslo Romero, University of California, Santa Barbara

- 8:00 Martin F Price, Professor*, Centre for Mountain Studies, Perth College, University of the Highlands & Islands, UK, *Characterising Europe's mountains.*

- 8:20 Melinda Kernik*, University of Minnesota, *Opportunity Mapping in the Twin Cities: A Critical GIS Perspective.*

- 8:40 Kunkum Bhattacharyya*, University of Central Arkansas, *Change Detection and Mapping of Land Use/Land Cover (LULC) Changes in the Lower Damodar River.*

- 9:00 Boleslo E. Romero, Ph.D. Candidate*, University of California, Santa Barbara; Keith C. Clarke, Professor, University of California, Santa Barbara, *Empirical Surface Network Analysis: Effects of Algorithms, Relief, and Resolution.*

5159. Criminology and Geography: Order and Conflict in the Public Space 1 (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Mattias De Backer, VUB Criminology Department; Georgiana Varna, University of Glasgow

CHAIR(S): Lucas Melgaço, Vrije Universiteit Brussel

- 8:00 James Fournière*, King's College London, *The uncontested realm: securitization and ambient power at Canary Wharf, London.*

- 8:20 Mattias De Backer*, Free University of Brussels, Criminology Department, *WE WANT YOU! To behave: Youth, public space and infrastructures of control.*

- 8:40 Lucy Jackson*, University of Sheffield; Gill Valentine, University of Sheffield, *Rethinking spaces, sites and encounters of conflict in 21st century Britain: The case of abortion protest in public space.*

- 9:00 Robyn A Lincoln*, Bond University, *All Aboard or All Bored? Young People and Conflict on Public Transport.*

- 9:20 Kimberley Kinder*, University of Michigan, *Informal Urbanism in Detroit.*

5161. A place for 'place politics' in contemporary geography?

Room: Grand Salon J, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Joseph Pierce, FSU; Deborah Martin, Clark University

Panelists: Joseph Pierce, FSU; Katherine Hankins, Georgia State University; Terry Marsden, Cardiff University; Deborah Martin, Clark University

5165. GeoHealth 2.0: Emerging discourses and opportunities at the interface of technology, society, and public health

Room: Florida Salon IV, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Jonathan Cinnamon, Simon Fraser University; Britta Ricker, Simon Fraser University

CHAIR(S): Jonathan Cinnamon, Simon Fraser University

- 8:00 Britta Ricker*, Simon Fraser University; Nadine Schuurman, PhD, Simon Fraser University, *Quick Usability Evaluation for Mobile Application to Collect Geographic and Health Data.*

- 8:20 Samuel Stephen Copeland*, SUNY Buffalo; Peter James Kedron, Ryerson University, *Inferential complexities in spatial, temporal, and etiological dynamics of disease exposure.*

- 8:40 Daniel J Lewis, PhD*, London School of Hygiene and Tropical Medicine; John Horton, PhD, The University of Northampton, UK; Steven Cummins, PhD, London School of Hygiene and Tropical Medicine; Beth Greenhough, PhD, Queen Mary University of London, UK, *Young peoples' activity space and independent mobility: A heuristic for data collection using web-maps..*

- 9:00 Jonathan Cinnamon*, The Ohio State University, *Lateral geospatial surveillance and public health.*

Discussant(s): Daniel Sui, The Ohio State University

5166. Birds, Bees, and Beetles

Room: Florida Salon V, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jana Viel, UW-Milwaukee

- 8:00 Michino Hisabayashi*, Clark University; Deborah Martin, PhD, Clark University; Verna DeLauer, PhD, The Marsh Institute, Clark University; John Rogan, PhD, Clark University, *Use/User-Inspired Research and Stakeholder Interactions in the Asian Longhorned Beetle Infestation in Worcester, Massachusetts.*

- 8:20 Carlee L Shults*, Whittier College; Deborah Martin, Clark University; Verna DeLauer, The Marsh Institute,

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Clark University; John Rogan, Clark University, *Place Identity through Place-Making: Stakeholders' Responses to the Asian Longhorned Beetle in Worcester, MA.*

8:40 Jana Marie Viel*, UW-Milwaukee, *Factors Driving Occupancy of Common Nighthawks (*Chordeiles minor*) in Human-Dominated Landscapes: A Citizen Science-Based Study in Wisconsin.*

9:00 Somayeh Dodge*, University of Colorado Colorado Springs; Gil Bohrer, The Ohio State University; Keith Bildstein, Acopian Center for Conservation Learning, Hawk Mountain Sanctuary; Sarah C Davidson, The Ohio State University; Roland Kays, NC Museum of Natural Sciences & NC State University; David Barber, Acopian Center for Conservation Learning, Hawk Mountain Sanctuary; Rolf Weinzierl, Max Planck Institute for Ornithology; Martin Wikelski, Max Planck Institute for Ornithology, *Exploring environmental drivers of variability in the movement patterns of long distance migrant birds.*

5167. Remote Sensing

Room: Florida Salon VI, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zhen Zhen, College of Environmental Science and Forestry, State University of New York

8:00 Rhett Mohler*, Saginaw Valley State University, *An assessment of the accuracy of the MOD45A1 burned area product for detecting burned areas in tallgrass prairie..*

8:20 Shishi Liu*, Huazhong Agricultural University, China, *The impact of water stress on grassland gross primary production estimated by MODIS algorithm and TG model.*

8:40 Humphrey Wafula Kalibo, PhD. Candidate*, University of Nebraska, *Investigating the Transmission of Photosynthetically Active Radiation Among Selected Deciduous Trees in a Mixed Mid-Latitude Woodland.*

9:00 Katie Ertell*, University of South Carolina, *Dynamic mapping of tree-sway Frequency and the turbulent co-spectral gap: Turbulent Wind and Energy Fluxes in a Dense Canopy.*

9:20 Zhen Zhen*, Department of Forest Management, School of Forestry, Northeast Forestry University; Lindi Quackenbush, Department of Environmental Resources Engineering, College of Environmental Science and Forestry, State University of New York; Lianjun Zhang, Department of Forest and Natural Resources Management, College of Environmental Science and Forestry, State University of New York, *Impact of Tree-oriented Growth Order in Marker-controlled Region Growing for Individual Tree Crown Delineation Using Airborne Laser Scanner (ALS) Data.*

5168. Energy and the Socioecological Production of Space I: Geographies of Extraction (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Matt Huber, Syracuse University; Saska Petrova, University of Manchester

CHAIR(S): Matt Huber, Syracuse University

8:00 Jessica K. Graybill*, Colgate University, *Energy, ecology and emotion: Mapping hydrocarbons, affect and environmental change on Sakhalin Island, Russia.*

8:20 Jennifer Baka*, London School of Economics; Robert Bailis, Yale School of Forestry and Environmental Studies, *Wasteland energy-scapes: A comparative energy flow analysis of India's biofuel and biomass economies.*

8:40 Julia Hobson Haggerty, PhD*, Montana State Univ,

Peripheralism and the Dilemmas of Hosting Energy Development: Examples from Energy Colonies in the U.S. West.

9:00 Justine Law*, The Ohio State University, *Diverse economies meet ecology: Wood energy's complicated relationship to forest landscapes.*

9:20 Susan Christopherson*, Cornell University, *Confronting An Uncertain Future How US Communities are Responding to Shale Gas and Oil Development.*

5169. Spatial Land Use Optimization (Sponsored by Cyberinfrastructure Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Kai Cao; Wenwen Li, Arizona State University

CHAIR(S): Kai Cao

8:00 Yaolin Liu*, Wuhan University; Man Yuan, Wuhan University; Yanfang Liu, Ph.D., Wuhan University, *Regional Land-Use Allocation Using a Coupled MAS and GA Model: From Local Simulation to Global Optimization, a Case Study in Caidian District, Wuhan, China.*

8:20 Tim Dolney*, Pennsylvania State University - Altoona, *GIS Vehicle Routing for Sustainable Waste Collection in the City of Altoona, Pennsylvania.*

8:40 Parmanand Sinha*, The University of Texas at Dallas; Daniel A. Griffith, The University of Texas at Dallas, *Spatial Autocorrelation and the Solution to the P-Median Problem.*

9:00 Xinglin Hu*, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China; Jing Zhang, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China; Laiping Luo, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China; Xiaomeng Liu, Key Lab of 3D Information Acquisition and Application of Ministry of Education, Capital Normal University, Beijing, China, *An improved ant colony optimization for school bus routing problem.*

5170. Crime and Substance Abuse

Room: Meeting Room 3, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joshua Regan

8:00 Jana Spilkova*, Charles University in Prague; Dagmar Dzurova, Charles University in Prague, Faculty of Science; Ladislav Csemy, Charles University in Prague, 3rd Faculty of Medicine, *Sex and Drugs and Rock 'n' roll: Substance Abuse and Problem Behavior in Prague Teenagers.*

8:20 Ricarda Rindlisbacher*, University of Graz, *Youth Crime and Urban Planning - How to Measure Crime Factors and Promote Prevention by Using GIS?.*

8:40 Yi-Hsiang Tseng*, National Taiwan University, *Using Markov Chain to Predict Burglars' Next Target.*

9:00 Brij Maharaj*, School of Agriculture, Earth and Environmental Sciences, *Two decades of post-apartheid urban reconstruction strategies: The rhetoric and the realities.*

9:20 Joshua Regan*, Western Connecticut State University, *Predictive Factors of Aggression in American Cities.*

5171. Time Geography: New Research Directions, Developments, and Applications (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Hongbo Yu, Oklahoma State University; Shih-Lung Shaw, University of Tennessee; Kajsa Ellegård,

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- Linköping University, Technology and social change
CHAIR(S): Shih-Lung Shaw, University of Tennessee
8:00 Kristina Trygg*, Stockholm University, *How to understand the geography of work.*
8:20 Charlotta Isaksson*, University West; Kajsa Ellegård, Linköping University, *Household micro structures as constraints to energy conservation.*
8:40 Elizabeth Marcusson, B.A., M.A., B.Sc., Dip. Ed.*, Rudbecksskolan, *Mobility, Freedom, Empowerment: Three dimensions of youthful context and substance.*
9:00 Hongmian Gong, Ph.D.*, Hunter College, *Combining Web GIS, Smartphone, Social Media, and Cloud Computing to Understand Spatiotemporal Transportation Data.*
9:20 Jiaoli Chen*, University of Tennessee; Shih-Lung Shaw, Ph.D., University of Tennessee, *Arranging daily activities based on a space-time-prism approach.*

5172. Aspects of Urban Geography

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Mahtab A Lodhi, University of New Orleans
8:00 Tobia Lakes*, Humboldt Universität zu Berlin, *Local urban ecosystem services in a globalized world.*
8:20 Zi Li*, National University of Singapore, *Driving Elements in the Development of the Integrated Unit of Urban and Rural in China history.*
8:40 Taylor Hafley*, University of Denver, *Changing Geographic Patterns of High- and Low-income Groups in Eight United States Metropolitan Areas.*
9:00 Brian Edward Johnson, Ph.D.*, Auburn University at Montgomery, *The Percentage and Number of U.S. Residents Who Live in Cities versus Suburbs, Exurbs, or Rural Areas: A Comprehensive Taxonomy and Accounting.*
9:20 Mahtab A Lodhi*, University of New Orleans, *Imagery-based analysis of urbanization process in major areas of Pakistan between 1970 and 2010..*

5173. Latin American Migration (Sponsored by Latin America Specialty Group, Population Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Brad Jokisch, Ohio University
CHAIR(S): Brad Jokisch, Ohio University
8:00 Kathleen Sexsmith*, Cornell University, *Undocumented labor migration among Mexican children and youth: Theorizing age and youthfulness in migration decisions and migrant networks.*
8:20 Brad Jokisch*, Ohio University, *Libre Movilidad, Politics, and the Migration-Development Nexus: The case of Ecuador.*
8:40 Johanna C. Jokinen*, Uppsala University, *Reasons behind out-migration from rural societies in Bolivia.*

5174. (Re)Imagining Territory as Political Ecological Process I: Green Governance, Conservation, and Neocolonial Territorializations (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Joel Correia; Eric Lovell, University of Colorado - Boulder
CHAIR(S): Joel Correia
8:00 Fletcher Chmara-Huff*, Temple University, *Territory: The psychosomatic and the real in environmental policy.*
8:20 Keith A Bettinger*, University of Hawaii, *Shifting Scales and Territorialities: Politicized Conservation at Indonesia's Kerinci Seblat National Park.*
8:40 Jennifer Devine, Ph.D.*, Whitman College, *Eco-tourism's Territoriality.*
9:00 Eric Lovell*, University of Colorado, Boulder, *The more-than-human ecologies of conservation territories.*

Discussant(s): Thomas Bassett, University Of Illinois

5177. The Politics Of Space In The Migrant Metropolis Part I (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)

- ORGANIZER(S): Stacy Harwood, University of Illinois; Willow Lung Amam, University of Maryland, College Park
CHAIR(S): Stacy Harwood, University of Illinois
8:00 Anna Joo Kim, Ph.D.*, Georgia Institute of Technology, *Outside the Perimeter: Immigrant Alliances and Uneven Growth in Metro Atlanta.*
8:20 Jacob Lesniewski, PhD*, Dominican University, *The Nonprofit Safety Net in Immigrant New Growth Suburbs.*
8:40 Justin Steil*, Columbia University; Arianna Martinez, LaGuardia Community College, CUNY, *The Legal Geography of Immigration Federalism.*
9:00 Willow Lung Amam, Ph.D.*, University of Maryland, College Park, *Mainstreaming the Asian Mall: The Regulation of Immigrant Space in Silicon Valley.*

5178. When fluvial geomorphological science meets watershed policy and politics: Responding to extreme weather events (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Geomorphology Specialty Group)

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

- ORGANIZER(S): Eve Vogel, University of Massachusetts - Amherst; Beverley Wemple, Member
CHAIR(S): Eve Vogel, University of Massachusetts - Amherst
8:00 Eve Vogel, PhD*, University of Massachusetts - Amherst, *From fluvial-geomorphological insight to fluvial-geomorphological folly: Vermont before and after Tropical Storm Irene.*
8:20 Beverley Wemple, PhD*, University of Vermont, *Assessing the effects of unpaved road networks on water quality in the Lake Champlain Basin.*
8:40 Eric W Peterson*, Illinois State University; Laura A Hanna, Illinois State University; Catherine M O'Reilly, Illinois State University, *Suspended Sediment Transport Dynamics in Two Agriculturally Dominated Watersheds During Drought Conditions.*
9:00 Anita Milman*, University of Massachusetts, *Facilitating Synergistic Responses: Interactions between Autonomous and Planned Adaptation to Extreme Flood Events in New England.*
9:20 Beth Tellman, B.S.*, Yale School of Forestry and Environmental Studies, *Ecosystem Services for Disaster Risk Reduction: Modeling the effects of land use on flood mitigation in El Salvador.*

5180. Scales of Political Power

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Melissa Godoy, State of Sao Paulo
8:00 Barbara Marchiori de Assis*, Cornell University, *State Capitalism, Brazilian Style: Implications for State-Private Relations.*
8:20 Daniel Abreu Azevedo*, Universidade Federal do Rio de Janeiro, *The spatiality of democracy: the municipal councils and residents associations in Rio de Janeiro.*
8:40 Deshonay Dozier, PhD Student*, Graduate Center, CUNY, *Propertied Citizenship: Understanding (Home)less Insurgent Planning Practices towards Property Rights.*
9:00 Felipe de Alba*, Universidad Autonoma Metropolitana-Cuajimalpa, *Neoliberal water management within Mexico City's Leftist government: How is it possible?.*
9:20 Melissa Giacometti de Godoy, PhD*, State of Sao Paulo, Secretariat of Planning and Regional Development, *Regional Planning and public policy integration: an*

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analysis of the Brazilian Water Resources Management System in the State of Sao Paulo, 2013.

- 5181. Restoring ecosystem and improving water quality in rivers**
Room: Meeting Room 12, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology
 CHAIR(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology
8:00 Jingyu Wang*, City University of New York, Bronx Community College, Chemistry Department; Lehman College, Earth, Environmental and Geospatial Sciences Department, *Restoring ecosystem and improving water quality in the Harlem River.*

- 5182. Coastal and aeolian processes and landforms I: aeolian geomorphology (Sponsored by Coastal and Marine Specialty Group)**
Room: Meeting Room 13, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Brandon Edwards, Louisiana State University; Katherine Renken, Louisiana State University
 CHAIR(S): Katherine Renken, Louisiana State University
8:00 Patrick Pease, Dr. *, University of Northern Iowa, *Source Provenance of Carbonate Grains in the Wahiba Sand Sea using a new LIBS Method.*
8:20 Liyang XIONG*, Nanjing Normal University; Guoan TANG, Nanjing Normal University, *The effect of underlying bedrock terrain to the modern loess landform evolution during the Quaternary in the Loess Plateau of China.*
8:40 Julie E Laity, Dr. *, *Palaeowindflow in Owens, Panamint, and Death Valleys, California.*
9:00 James Zimbelman*, Smithsonian Institution, *Documentation of wind flow patterns on martian sand dunes.*
9:20 Sergey Govorushko*, Pacific Geographical Institute, Far Eastern Federal University, *Importance of Aeolian Processes for Humanity.*

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- 5203. Punitive, Post-Punitive, and Beyond: Integrating the Geographies of Homelessness**
Room: Room 3, TCC, First Floor (Paper Session)
 ORGANIZER(S): Jessie Speer; Brian Hennigan, Syracuse University
 CHAIR(S): Brian Hennigan, Syracuse University
10:00 Vincent Lyon-Callo, PhD*, Western Michigan University, *Homelessness, Violence, and Potential Spaces of Possibility..*
10:20 Jessie Speer*, Department of Geography, Syracuse University, *Homeless and Crazy: Deconstructing Mental Illness as a Category of Control.*
10:40 Brian Hennigan*, Syracuse University, *Push, Pull, Drag: Sociospatial Homeless Management in Phoenix, AZ.*
11:00 Evan Casper-Futterman, MURP*, Rutgers University, *The Operation was Successful but the Patient Died: The Politics of Crisis and Homelessness in Post-Katrina New Orleans.*
 Discussant(s): Vincent Del Casino, University of Arizona
- 5205. Arts of Encounter/ Encountering Art 2: Debating Publics, Exploring encounters**
Room: Room 5, TCC, First Floor (Paper Session)
 ORGANIZER(S): Harriet Hawkins; Hannah Macpherson, University of Brighton
 CHAIR(S): Hannah Macpherson, University of Brighton
10:00 Nicole Rallis*, York University, *Breaking the Intellectual Fourth Wall: An Investigation of how documentary film methods engage "hard to reach" audiences beyond the academy.*
10:20 Giuseppe Carta*, University of Bristol; Giuseppe Carta, University of Bristol, *More than tunes: recorded music, landscape and the city.*
10:40 Matthew Rosenblum*, University of Kentucky, *(Public) Forum on the Margins: Public Space, Forensics, and Protest.*
11:00 Diane Ward*, UCLA Graduate Student, *LA's Pedestrian Subways: A path of origins and reclamations.*

- 5207. Geographies of Prejudice II: Understanding Contemporary Forms of Discrimination (Sponsored by Sexuality and Space Specialty Group)**
Room: Room 7, TCC, First Floor (Paper Session)
 ORGANIZER(S): Catherine Harris, University of Sheffield; Aneta Piekut, University of Sheffield; Anna Gawlewicz, University of Sheffield
 CHAIR(S): Anna Gawlewicz, University of Sheffield
10:00 Catherine Harris*, University of Sheffield; Aneta Piekut*, University of Sheffield; Gill Valenine, University of Sheffield, *Attitudes towards difference: prejudice and encounters in the UK and Poland..*
10:20 Nelly Ali*, Birkbeck College, University of London, *Street Girls In Egypt: Prejudice on the Margins.*
10:40 Lynda Johnston*, University of Waikato, *Intersex: Documenting Bodies Beyond Binaries.*
11:00 Lasse Koefoed*, Roskilde University; Kirsten Simonsen*, Roskilde University, *Paradoxical public spaces: encounters, negotiations and exclusions.*
 Discussant(s): Nichola Wood, University of Leeds
- 5208. FQG: Doing feminist fieldwork in China, by choice and by default (Sponsored by China Specialty Group, Geographic Perspectives on Women Specialty Group)**
Room: Room 8, TCC, First Floor (Panel Session)
 ORGANIZER(S): Leqian Yu, University of Toronto; Jessica Wilczak, University of Toronto
 CHAIR(S): Jessica Wilczak, University of Toronto
 Introducer: Jessica Wilczak
 Panelists: Wen Lin, Newcastle University; I-Chun Catherine Chang, University of Minnesota; Leqian Yu, University of Toronto; Melissa Y Rock, Bucknell University
- 5211. Water Resources and Hydrology in the American South (Sponsored by Study of the American South Specialty Group, The American South)**
Room: Room 11, TCC, First Floor (Paper Session)
 ORGANIZER(S): The American South
 CHAIR(S): Kamal Alsharif, University of South Florida, School of Geosciences
10:00 Mbongowo J Mbuh, PhD Student*, George Mason

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University; Ako Heidari, PhD student, George Mason University; Paul Houser, PhD, George Mason University, *Water quality estimation using combined water chemistry, field spectroscopy Hyperspectral Remote Sensing in the Shenandoah River, Virginia.*

- 10:20** Vi Tran*, University of Tennessee; Liem Tran, University of Tennessee, Knoxville; Carol Harden, University of Tennessee, Knoxville, *Relationship of suspended sediment load and stream flow in the Upper Mississippi River Basin at annual and seasonal scale.*

- 10:40** Hubert Stroud*, Arkansas State University, *Picayune Strand: The Missing Piece of the Puzzle.*

- 11:00** Kamal Alsharif, Ph.D.*, University of South Florida, School of Geosciences; Michelle Harmeling, M.S., University of South Florida; Rebecca Wooten, Ph.D., University of South Florida, *Phosphate Mining Wetlands Reclamation in the Peace River in Florida.*

5212. Author meets critics: Geoff Mann's Disassembly Required (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Room 12, TCC, First Floor (Panel Session)

ORGANIZER(S): Joel D Wainwright, The Ohio State University
CHAIR(S): Joel D Wainwright, The Ohio State University
Introducer: Joel D Wainwright

Panelists: Jake Kosek; Mazen Labban, Rutgers University; Kendra Strauss, University of Cambridge; Majed Akhter, Indiana University; Joel D Wainwright, The Ohio State University; Geoff Mann, Simon Fraser University

5213. Dendrochronology II: Dendroecology (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Stockton Maxwell, Radford University; Henri D. Grissino-Mayer, University of Tennessee

CHAIR(S): John Sakulich, Regis University

- 10:00** Johanna Robson*, University of Winnipeg; France Conciatori, University of Winnipeg; Jacques C Tardif, University of Winnipeg, *Tree-ring response to jack pine budworm defoliation in southwestern Manitoba, central Canada.*

- 10:20** Nia S Perron*, University of Winnipeg; France Conciatori, University of Winnipeg; Jacques C Tardif, University of Winnipeg, *A dendrochronological analysis of larch sawfly (*Pristiphora erichsonii* Hartig) outbreaks in Manitoba's ecoregions, central Canada.*

- 10:40** Monica T. Rother*, University of Colorado, Boulder; Thomas T Veblen, PhD, University of Colorado, Boulder, *Climatic influences on episodic post-fire conifer establishment in low-elevation, ponderosa pine forests of the Colorado Front Range, USA.*

- 11:00** Heather M Mason, MS*, University of West Florida; Jason T Ortegren, Ph.D, University of West Florida; Justin T Maxwell, Ph.D, University of Indiana, *Dendrochronological Analysis and Growth-Climate Response of *Chamaecyparis thyoides* and *Chamaecyparis thyoides* var. *henryae* in Northwest Florida.*

- 11:20** John Sakulich*, Regis University; Jessika M. Carlstrom, Regis University, *Dendroecological Reconstruction of Treeline Dynamics in the Elk Mountains, Colorado, USA.*

5214. Considering practical and critical issues in working with interpreters in geographical research

Room: Room 14, TCC, First Floor (Panel Session)

ORGANIZER(S): Christine E Smith; Kelsey Hanrahan, University of Kentucky

CHAIR(S): Christine E Smith

Discussant(s): Sara Koopman, Balsillie School, Wilfrid Laurier University

Panelists: Sarah Turner, McGill University; Leslie McLees, Appalachian State University; Catrina MacKenzie, McGill University, Department of Geography; Margrethe Gaassand; Ragnhild Lund, Norwegian University of Science and Technology; Christine E Smith

5215. Sustainability in High Mountains under Global Change (Sponsored by Human Dimensions of Global Change Specialty Group, Mountain Geography Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Kim André Vanselow; Cyrus Samimi, University of Bayreuth

CHAIR(S): Cyrus Samimi, University of Bayreuth

- 10:00** Shelby Van Arnam*, New Mexico State University; Michaela Buenemann, Ph.D., New Mexico State University, *Rates and patterns of forest fragmentation in ski resorts: a case study of Eldora Mountain Resort, Colorado, U.S.A..*

- 10:20** Kim André Vanselow*, University of Erlangen-Nuremberg, *Ecology and Transformation - The Example of the Eastern Pamirs (Tajikistan).*

- 10:40** Chuan Liao*, Cornell University, *Following the Green: Coupled Pastoral Migration and Vegetation Dynamics in the Altay and Tianshan Mountains of Xinjiang, China.*

- 11:00** Matt Branch*, Pennsylvania State University, *Bhutan's Gross National Happiness as Green Governmentality.*

Discussant(s): Sarah Halvorson, University of Montana

5216. Land Change Modeling II: Applications and Decision Making (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Ting Liu, Florida State University; Xiaojun Yang, Florida State University

CHAIR(S): Ting Liu, Florida State University

- 10:00** Ting Liu*, Florida State University; Xiaojun Yang, Florida State University, *Modeling Residential Land Change Trajectories through an Agent-Based Approach.*

- 10:20** Yan Yan, Graduate Student*, Clark University; John Rogan, Professor, Clark University, *Predicting forest disturbance and regrowth in the Southern Yucatán, Mexico using multi-date Landsat and simulation modelling.*

- 10:40** Kenan Li*, Nina Lam, *Incorporating Vulnerability in Modeling Population Changes in a Coastal Environment.*

Discussant(s): Xiaojun Yang, Florida State University

5217. Contemporary Africa

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Seth Appiah-Opoku, University Of Alabama

- 10:00** Hilary Chart*, Stanford University, *Occupying Main Street: Conspicuous Spatial Practices of Micro-Enterprise in Botswana.*

- 10:20** Agnes Amissah*, Koforidua Polytechnic, Ghana, *Quitting the hotel job: Empirical observation from the Eastern Region of Ghana.*

- 10:40** Joseph Godlewski*, Syracuse University, *Networked Geographies in African Cities.*

- 11:00** James B. Pick*, University of Redlands; Avijit Sarkar, University of Redlands; Jeremy Johnson, University of Redlands, *The Digital Divide in Africa: A Spatial and Multivariate Analysis of ICT Adoption and Utilization.*

- 11:20** Seth Appiah-Opoku*, University Of Alabama; Filiberto Asare-Akuffo*, University of Alabama, *Assessing*

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Growth Management Problems in a Ghanaian City with Lessons from the US Planning System.

5218. Food, Farming, and Forestry (Sponsored by Rural Geography Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Chris Laingen, Eastern Illinois University
CHAIR(S): John Hudson, Northwestern University

10:00 Roger F. Auch*, United States Geological Survey, *The Southern Piedmont's Continued Land-Use Evolution, 1973-2010.*

10:20 Susy Svatek Ziegler*, Northern Michigan University; John C. Hudson, Northwestern University, *Environment, Culture, and the Great Lakes Fisheries.*

10:40 John Hart*, University of Minnesota - Minneapolis, *The Census Ag Atlas as a Research Heuristic.*

11:00 Dawn M Drake*, Missouri Western State University, *Why are there Cows in my Subdivision?.*

11:20 John Hudson*, Northwestern University; John C. Hudson, Northwestern University, *Historical Geography of Wheat and Flour Production in the United States.*

5219. Science, Politics and Conflict in Aquatic Environments: From Restoration to Intervention? I

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Chris Sneddon, Dartmouth College; Francis Magilligan, Dartmouth College; Coleen Fox, Dartmouth College

CHAIR(S): Chris Sneddon, Dartmouth College

Introducer: Francis Magilligan

10:03 Chris Sneddon*, Dartmouth College; Coleen Fox, Dartmouth College; Francis Magilligan, Dartmouth College, *Novel Ecosystems, Novel Governance, Novel Politics? Conflicts over Dam Removal in New England.*

10:23 Martin Doyle*, Duke University; Jai Singh, CBEC Eco Engineering; Rebecca Lave, Indiana University; Morgan Robertson, University of Wisconsin, *Political or Economic Hydrology: Do Market Forces Affect Stream Restoration Design?.*

10:43 Jennifer T. Mokos*, Vanderbilt University, *Disaster for Whom?: The Politics of Security and Invasion in Urban Stream Restoration.*

11:03 Marissa Matsler*, Portland State University; Sarah Kidd, Portland State University, *An Exploratory Study of Current Restoration Worldviews.*

Discussant(s): Gail Hollander, Florida International University

5220. Feminist geography and critical participatory action research: Intersectional commitments

Room: Room 20, TCC, First Floor (Panel Session)

ORGANIZER(S): Caitlin Cahill, Pratt Institute; Rachel Pain, University Of Durham

CHAIR(S): Caitlin Cahill, Pratt Institute

Introducer: Caitlin Cahill

Discussant(s): Rachel Pain, University Of Durham

Panelists: Sara Kindon, Victoria University of Wellington; Geraldine J. Pratt, University Of British Columbia; Pamela Moss, University of Victoria; Marina Islas, University of Texas at Austin; Natalie Jones, University of Texas at Austin; Kye Askins, Northumbria University; Lindsey Carte, University of Texas at Austin

5221. Environmental Justice

Room: Room 21, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrea Blanka Szell, Kent State University

10:00 Alana Shaw*, University of Georgia, *From Bowheads to Bulldozers: How an Exploration of Inupiaq Subsistence Practices in the Alaskan Arctic is a Matter of Environmental Justice.*

10:20 Andrea Craft*, University of Kentucky, *Limits to participation in planning for public housing residents in Memphis, TN.*

10:40 Patrick D Haughey, Dr. *, Savannah College of Art and Design, *The Fragile City: Growth, Poverty and Environmental Degradation in Savannah, 1953 to Present.*

11:00 Fuzia T Elkekli, Ph.D. Candidate*, University of Arizona, *The Right to Equity and Equality in Historical Cities from the Influence of Urban Planning.*

11:20 Andrea B Szell*, Kent State University, *Disparities in park accessibility: A case study of New Orleans, LA.*

5222. Food Production and Land Use Change

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Francis Bisong, University of Calabar

10:00 Antonio Castellanos-Navarrete*, Knowledge, Technology and Innovation (KTI) Group, Department of Social Sciences, Wageningen University; Kees Jansen, Knowledge, Technology and Innovation (KTI) Group, Department of Social Sciences, Wageningen University, *Markets and Land Use: Oil Palm, Greenhouse Gas Emissions and Certification in Mesoamerica.*

10:20 Lynn Roche Phillips, Ph.D., Assistant Professor*, Department of Geography, University of Kentucky, *Land Use Controls, Farmland Preservation, and Sprawl Management in Two Horse Capitals.*

10:40 Aifang Chen*, Beijing Normal University, *Synthesis of China's Urbanization.*

11:00 Yankuic Galvan-Miyoshi*, Michigan State University, *The Globalization of the Beef-Cattle Commodity Chain and its Implications for Land Change in Southern Mexico.*

11:20 Francis Ebute Bisong, PhD*, University of Calabar; Elizabeth Andrew-Essien, PhD, University of Calabar; Asuquo Etim Okon, M.Sc, University of Calabar; Osim Ogar, M.Sc, University of Ibadan, *Transition to Low Carbon Pathways for Sustainable Agricultural Production Systems In Nigeria.*

5223. Environmental Issues Related to Energy, Fossil Fuel, and CO2

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Scott Kelley, Arizona State University

10:00 R. Jason Lenz*, Creek Run L.L.C. Environmental Engineering; Stephanie M Bragg, Creek Run L.L.C. Environmental Engineering, *Mitigation of a commingled petroleum plume at an active gas station..*

10:20 James Capozzoli*, Bloomsburg University; Curt Jones, Bloomsburg University; Jeff Brunskill, Bloomsburg University; Nathaniel Greene, Bloomsburg University, *The Design and Implementation of an Educational Solar Energy Kiosk at Bloomsburg University.*

10:40 Maya G Hutchins*, Appalachian State University; Gregg Marland, Appalachian State University; Christopher A Badurek, Appalachian State University, *A Comparative Analysis of Fossil Fuel Carbon Dioxide Emission Inventories in the Continental United States.*

11:00 Frank LaFone*, West Virginia University; Maneesh Sharma, PhD, West Virginia University; Tim Carr, PhD, West Virginia University, *National Carbon Sequestration Program: From Paper to The Internet to 3D.*

11:20 Scott Kelley*, Arizona State University, *Examining the Accessibility and Effectiveness of Alternative Fuel Vehicle (AFV) Refueling Stations Near Freeway Interchanges.*

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5224. Economic Transformation and the forging of new Senses of Place

Room: Room 24, TCC, First Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Yirgalem Mahiteme Habtemariam, Calvin College

10:00 Rafael Winter Ribeiro, PhD*, Universidade Federal do Rio de Janeiro, *The politics of landscape and the various faces of an emerging megacity: public policy and the construction of images in Rio de Janeiro, Brazil.*

10:20 Jeff DeGrave*, University of Wisconsin-Eau Claire, *Reading the Vernacular Landscape: Reflections of Marginalization and Empowerment in Rural Honduras.*

10:40 Margaret King, Ph.D.*, Chicago State University, *Sense of Place and Economic Development: Analysis of Akwa Ibom, Nigeria.*

11:00 Yirgalem Mahiteme Habtemariam*, Calvin College, *Urban Redevelopment and sense of place a Reflection on the 404 neighborhoods, Hawassa City, Ethiopia.*

5230. Eurasia's Environmental, Economic, and Geopolitical Transformations: Part X, Borders (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Nathaniel Trumbull, University of Connecticut

CHAIR(S): Jeremy Tasch, Towson University

10:00 Martin Van Der Velde*, University of Nijmegen, *Cross-Border Mobility in Times of Crisis.*

10:20 John Biersack*, University of Kansas, *The Politics of Biopassports in Ukraine: Narratives of Identity and Borders.*

10:40 Ksenija Vidmar Horvat*, Faculty of Arts, University of Ljubljana, *Migration, gender and borders: Framing the debate on identity and belonging in Europe post-1989.*

11:00 Hans-Joachim Bürkner*, Leibniz Institute for Regional Development and Structural Planning, *"Refugees from where, did you say?" Polarizing European discourse on migration as a matter of imaginaries.*

5231. Climate change and uncertainty at the livelihood-landscape nexus in Africa (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Climate Change, Africa Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Kimberly Medley, Miami University

CHAIR(S): Kimberly Medley, Miami University

10:00 William Moseley*, Macalester College, *Agriculture on the Brink of Extinction: Climate Change, Labor and Smallhold Farming in Botswana.*

10:20 Jamie Shinn*, Penn State University; Brian King, PhD, Penn State University, *Forced Adaptation? The micro-politics of environmental displacement in the Okavango Delta, Botswana.*

10:40 Courtney M Gallaher*, Northern Illinois University, *Urban agriculture as an adaptation to climate change: Increasing the resilience of human and natural systems in Malawi.*

11:00 Peter N Kamau*, Louisiana State University, *Anthropogenic Fires, Local Livelihoods and Climate Change Adaptation at Chyulu Hills, Kenya.*

11:20 Kimberly Medley*, Miami University; John K. Maingi, Miami University, *Complex Vulnerabilities and the Sustainability of Adaptive Responses by the Kasigau Taita, Kenya.*

5232. Hazards, and Climate Change (Sponsored by Geographies of Climate Change)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert Kinlocke, University of the West Indies

10:00 John Lanier Pearce, PhD*, Emory University; Lance A Waller, PhD, Emory University; James Mulholland, PhD, Georgia Institute of Technology; Paige Tolbert, PhD, Emory University, *Use Of Self-Organizing Maps To Classify Multi-Pollutant Exposure Areas In An Urban Environment.*

10:20 Xingming Zhang*, Beijing Normal University; Jingai Wang, Beijing Normal University, *Global Risk assessment of agricultural drought.*

10:40 Guili Sun*, *The Risk Assessment of Snow Disasters in Altay.*

11:00 Robert Kinlocke*, University of the West Indies; April Baptiste, Colgate University, *We are not all the same! Comparative climate change vulnerability among fishers in Old Harbour Bay, Jamaica.*

11:20 Pallavi V. Das*, Lakehead University, *Towards a People's History of Climate Change: A Case Study of Western Himalayas in India.*

5233. Spatial Optimization and Analysis II (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Ran Wei, Arizona State University; Daoqin Tong, University of Arizona - Geography & Regional Development

CHAIR(S): Daoqin Tong, University of Arizona - Geography & Regional Development

10:00 Qunshan Zhao*, Arizona State University; Elizabeth A. Wentz, Arizona State University; Alan T. Murray, Arizona State University, *Shade Optimization in a Desert Environment.*

10:20 Huairan Ye*, University of Tennessee; Hyun Kim, PhD, The University of Tennessee, Knoxville, *Measuring Spatial Health Disparity in a GIS environment: A Case Study of Hillsborough County, FL.*

10:40 Levi J Wolf*, Arizona State University; Insu Hong, Arizona State University; Alan T Murray, Arizona State University, *Complexity Bounds for Deriving a Shortest Euclidean Path.*

11:00 Fangwu Wei*, Oregon State University; Tony H. Grubecic, Oregon State University, *Vulnerability and sustainability: An impact analysis of potential natural hazards on current ground transportation network in Oregon.*

5234. Political Geography

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Fiona M Davidson, University Of Arkansas

10:00 Steven G. Wilson*, U.S. Census Bureau, *The Namibia 2011 Census Atlas: Background and Overview.*

10:20 Fiona M Davidson*, University Of Arkansas, *The Scottish Independence Referendum 2013: Socioeconomic predictors of Yes/No.*

10:40 Dona J Stewart, Ph.D. *, *Beyond Terror: Applying a Human Security Framework to the Conflict in Mali.*

11:00 Lisa Poggiali, Ph.D. Candidate*, Department of Anthropology, Stanford University, *Creating Digital Spaces: Mapping and Urban Infrastructure in Nairobi, Kenya.*

5235. Climate Change and Coastal Geography (Sponsored by Geographies of Climate Change)

Room: Room 35, TCC, Fourth Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ajay A. Kamble, Bhavan's College

10:00 Meaghan E Daly, PhD Student*, University of Colorado, *Climate Knowledge Production, Access, and Use in*

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10:05 Steve LaDochy*, California State University Los Angeles; Brandi Gamelin, California State Univ., LA; Freddy Hsu, California State Univ., LA; Pedro Ramirez, California State Univ., LA; Hengchun Ye, California State Univ., LA; Pedro Sequera, The City College of New York, CUNY; Jorge Gonzalez, The City College of New York, CUNY; William Patzert, Jet Propulsion Laboratory, NASA, *Los Angeles' Urban Heat Island: Climate Change, Pacific and Land Use Influences.*

10:10 Bethany Cutts, Assistant Professor*, University of Illinois; Mark N Lubell, University of California, Davis; Leslie M Roche, University of California, Davis; Ken W Tate, University of California, Davis, *Drought management decisions, decadal climate change, and the shifting adaptive capacity of California ranchers.*

10:15 Peter A. O'Connor, Ph.D.*, Boston University; James G. Baldwin, Ph.D., Boston University; Bruce Anderson, Ph.D., Boston University, *Regional Analysis of Average Climate Exposure.*

10:20 James G Baldwin*, Boston University; Michael Mann, PhD, George Washington University, *Spatial Patterns in Global CO2 Emissions Drivers: Divergence Through Time.*

10:25 Christopher Metzger*, University of South Florida, *The Power of Nature and the Nature of Power: Discourses and Practices of Energy Use in Suburban Florida.*

10:30 Walter Scheib*, University of Denver, *Examining Accessibility to Residential Energy Efficiency Programs.*

10:35 Keren Bolter*, Florida Atlantic University, *Actual Versus Perceived Risk to Sea Level Rise: A Case Study in Broward County, FL.*

10:40 Bo Tian*, East china normal university, *The impact and response of sea-level rise on Yangtze estuarine wetland ecosystem, China.*

10:45 Hannah Cooper*, Florida Atlantic University, *Incorporating uncertainty of future sea-level rise estimates into vulnerability assessment: A case study in Kahului, Maui.*

10:50 Andrew W Kameronosky*, Florida Atlantic University, *Using MERIS to Assess the 2011 Super Algal Bloom in Indian River Lagoon, FL.*

10:55 Alyssa Krinsky, Student, Geography Department*, Southern Connecticut State University; Michelle Ritchie, Student, Geography Department, Southern Connecticut State University; Catherine Cota, Student, Environmental Sciences Department, Southern Connecticut State University; Kaitlyn Sobiarski, Student, Environmental Sciences Department, Southern Connecticut State University; Steve Krozer, Student, Environmental Sciences Department, Southern Connecticut State University; Scott Thibault, Student, Environmental Sciences Department, Southern Connecticut State University; James Tait, Faculty, Environmental Sciences Department, Southern Connecticut State University; Ezgi Akpinar-Ferrand, Faculty, Geography Department, Southern Connecticut State University, *Further Results on Continuing Coastal Resilience Studies for the Town of East Haven: Coastal Flood Plain Mapping, Beach Stability Studies, Coastal Vulnerability Assessment.*

11:00 Ajay A. Kamble*, Bhavan's College, *A comparative study of geomorphic, economic and environmental relevance of estuarine islands within Mumbai metropolitan region, West coast, India..*

Room: Room 36, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Emily Fekete, University of Kansas; Donald Colley III, San Diego State University
CHAIR(S): Emily Fekete, University of Kansas
10:00 Vincent Miller, Dr.*, University of Kent, *Politics without Presence? Reconsidering the Purpose of Social Media Activism.*

10:20 Danielle D. Guthrie*, South Dakota State University, *Constructions of Eastern Europe in the European Union: The Westernization of Romania.*

10:40 Katia Aviles-Vazquez*, University of Texas - Austin, *Social media / social networks: redefining networks in agriculture.*

11:00 Donald Colley III*, San Diego State University, *'Change the world one party at a time': Digital activism and the Millennial blame game.*

Discussant(s): Emily Fekete, University of Kansas

5237. Engaged Scholarship in Critical Geography: Theory, Practice and Pedagogy

Room: Room 37, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Benjamin Gardner, University of Washington Bothell

CHAIR(S): Tracey Osborne, University of Arizona

10:00 Claudia Radel*, Utah State University, *Service-learning, Attitudes towards Latino Immigrants, and Social Change.*

10:15 Jesse Quinn*, Syracuse University, *Video Production as Engaged Method in Political Ecology.*

Introducer: Elyse Gordon

10:45 Morgan Apicella, MA*, University of Arizona, *Connecting Research, Pedagogy, and Practice in the University, the Schools, and the Street.*

Discussant(s): Benjamin Gardner, University of Washington Bothell

5239. Critical Approaches to Urban Water Governance II (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Water Resources Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)
ORGANIZER(S): Michael Finewood, Chatham University; Ryan Holifield, University of Wisconsin ? Milwaukee

CHAIR(S): Ryan Holifield, University of Wisconsin ? Milwaukee
10:00 Michael Finewood*, Chatham University, *Thinking Like An Engineer: Constructed Knowledge And Inequality In Pittsburgh's Urban Water Governance.*

10:20 Ryan Holifield*, University of Wisconsin ? Milwaukee; Kathleen C Williams, University of Wisconsin-Milwaukee; Caitie A McCoy, Illinois-Indiana Sea Grant / US EPA Great Lakes National Program Office, *Stakeholder participation in Great Lakes Areas of Concern: The "urban" as distinctive setting for the governance of impaired water?.*

10:40 Eileen Sylvan Johnson*, Bowdoin College; Kathleen P Bell, PhD, School of Economics, University of Maine; Douglas Sutor, Maine Department of Environmental Protection, *Disamenity to Amenity: The Changing Landscape of Maine's Urban River Communities.*

11:00 Lauren Elgert, Dr.*, Worcester Polytechnic Institute, *Water Power: The Impact of an EWB Intervention on Water Governance in Guatchthu 'Uq, Guatemala.*

11:20 Esther G Kim*, University of California, Berkeley, *"It's Not Reused Water, It's Virgin Water!": Redefining the Flows and Recapturing the Value of Urban Stormwater Through Greening of a Los Angeles Watershed.*

5236. New Spaces of Internet Activity 2: Social Media, Digital Culture and the Internet and Society (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

5240. Geospatial Ontology, Semantics, and Metadata I: knowledge infrastructures (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)

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Room: Room 30B, TCC, Fourth Floor (Paper Session)

- ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Chen-Chieh Feng, Geography, National University of Singapore
- CHAIR(S): Alexandre Sorokine, Oak Ridge National Laboratory
- 10:00 Lee Ann Nolan*, Pennsylvania State University, *The Role of Institutional Repositories for Geographers*.
- 10:20 Nancy J Obermeyer, PhD, MPA, GISP*, Indiana State Univ, *URISA's GIS Management Institute: GIS Capability Maturity Model for Public Agencies*.
- 10:40 Nicole Kong*, Purdue University Libraries; Asish Ghoshal, Purdue University; Erin Huang, Purdue University, *A web crawling tool for geographic information discovery*.
- 11:00 Xiaogang Ma*, Tetherless World Constellation, Rensselaer Polytechnic Institute; Yu Chen, Tetherless World Constellation, Rensselaer Polytechnic Institute; Jin Guang Zheng, Tetherless World Constellation, Rensselaer Polytechnic Institute; Linyun Fu, Tetherless World Constellation, Rensselaer Polytechnic Institute; Han Wang, Tetherless World Constellation, Rensselaer Polytechnic Institute; Peter Fox, Tetherless World Constellation, Rensselaer Polytechnic Institute, *Encoding meanings into maps and visualization: an example of semantically enhanced geologic time data service*.
- 11:20 Alexandre Sorokine*, Oak Ridge National Laboratory, *Multiperspective Database Architecture for Spatio-temporal Geodatasets*.

5255. Author Meets Critics: Kevin Cox's "Making Human Geography"

Room: Grand Salon D, Marriott, Second Floor (Panel Session)

- ORGANIZER(S): John Agnew, University of California - Los Angeles
- CHAIR(S): John Agnew, University of California - Los Angeles
- Panelists: Denise Pumain, University Paris I; Gordon L. Clark, University of Oxford; Richard Walker, University of California-Berkeley; Linda McDowell, University of Oxford; Kevin Cox, Ohio State University

5256. GIScience Methods

Room: Grand Salon E, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Program Committee
- CHAIR(S): Stéphane Roche, Laval University
- 10:00 Jorge Rocha*, CEG-IGOT-UL; Patricia Abrantes, CEG-IGOT-UL; Inês Fontes, CEG-IGOT-UL, *Mathematical models for configuration of CA transition rules*.
- 10:20 Hao Li*, Wuhan University; Yandong Wang*, Wuhan University; Jianping Li, Wuhan University; Lingling Zhang, Wuhan University, *Domain Related Task Modeling Framework for Geospatial Services*.
- 10:40 Dong Wang*, Metropolitan Area Planning Council; Timothy G. Reardon, Metropolitan Area Planning Council, *A GIS Approach to Identify Priority Development Areas*.
- 11:00 Stéphane Roche*, Laval University, *When Smart City meets Geospatial Intelligence*.

5259. Criminology and Geography: Order and Conflict in the Public Space 2 (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Mattias De Backer, VUB Criminology Department; Georgiana Varna, University of Glasgow
- CHAIR(S): Mattias De Backer, VUB Criminology Department
- 10:00 Rodrigo Jose Firmino, PhD*, Pontificia Universidade Católica do Paraná; Fábio Duarte, PhD, Pontificia

Universidade Católica do Paraná, *Smart "splintering" surveillance as a new territorial layer*.

- 10:20 Jon Coaffee*, University of Warwick, *The punitive praxis of military-carceral space design*.
- 10:40 Günter Stummvoll*, Austrian Centre for Urban Criminology, *Crime Prevention and Urban Design: The Social Structure of Criminogenic Places*.
- 11:00 Georgiana Mihaela Varna, Dr*, University of Glasgow, *Making the publicness of public spaces visible: how can we measure the level of control and privatisation of our public places?*.
- 11:20 Antonin MARGIER*, UQAM, *Sharing the residential public spaces. Towards a "soft dispersal" of marginalized people?*.

5265. Management and Policy Approaches in Health

Room: Florida Salon IV, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Program Committee
- CHAIR(S): Patricia Boda, Middle Tennessee State University
- 10:00 Anna Kozłowski*, University at Buffalo, *Study of HIV/AIDS in India*.
- 10:20 Tushara Surapaneni*, SUNY Geneseo, *HIV/AIDS in Botswana: A Public Health Model for Middle and Low Income Countries*.
- 10:40 Marie-Soleil Cloutier*, INRS-UCS; Philippe Apparicio, INRS-UCS; Gaëtan Dussault, INRS-UCS; Diane-Lyse Benoit, Agriculture Agroalimentaire Canada; Linda Pinsonneault, DSP Montérégie, *Community involvement in public health: the usefulness of GIS to demonstrate ragweed (*Ambrosia artemisiifolia* L.) pollen reduction in Quebec, Canada*.
- 11:00 Patricia Boda*, Middle Tennessee State University; Patricia Boda, PhD, Middle Tennessee State University, *Challenges of managing chronic illness in the Caribbean*.

5266. Land Use Conflicts at the Intersection of the Urban and Rural

Room: Florida Salon V, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Donald Leffers, York University; Gerda R. Wekerle, York University
- CHAIR(S): Donald Leffers, York University
- 10:00 Gerda R. Wekerle*, York University, *Land Use Conflicts in the Rural-Urban Periphery: New Approaches and Critical Perspectives*.
- 10:20 Donald Leffers*, York University, *Contesting urban development at the urban-rural interface: An institutional approach to land use, property, and the law in the Toronto region*.
- 10:40 Paul J Harpley, B.Sc. (Hons.) M.A.*, The Zephyr Society of Lake Simcoe; Rob Milne, PhD, Wilfrid Laurier University, Ontario Canada, *Land Use Conflict in Planning a Sustainable Future: Town of Georgina in the South Lake Simcoe Area, Ontario, Canada*.
- 11:00 Michael Classens*, York University, *Mucking around the Holland Marsh: Soil and the politics of farmland preservation*.

5267. GIS Methods and Urban Remote Sensing

Room: Florida Salon VI, Marriott, Second Floor (Paper Session)

- ORGANIZER(S): Program Committee
- CHAIR(S): Weifeng Li, Department of Urban Planning and Design, The University of Hong Kong
- 10:00 Qingyun Du*, Wuhan Univ., *A Prototype Ubiquitous Visualization System based on Augmented Reality with IOS Platform*.
- 10:20 QINGWEN QI*, Lili JIANG; An ZHANG, *Research on Methodology of Geo-information Science*.
- 10:40 Yifang Ban*, KTH Royal Institute of Technology; Alexander Jacob Jacob, KTH Royal Institute of Technology, *Spaceborne SAR Data for Global Urban Mapping: Preliminary Results*.

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- 11:00** Yuyu Zhou*, Pacific Northwest National Laboratory, *Mapping Global Urban Area from DMSP/OLS Nightlights using a Cluster-based Method.*
- 11:20** Weifeng Li*, Department of Urban Planning and Design, The University of Hong Kong; Rongjun Zeng, Peking University Shenzhen Graduate School; Jiansheng Wu, Professor, Peking University Shenzhen Graduate School, *Remote sensing monitoring of ground-level PM_{2.5} concentrations in China: A comparison between VIIRS and MODIS.*
- 5268. Energy and the Socioecological Production of Space II: Infrastructure (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**
Room: Meeting Room 1, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Matt Huber, Syracuse University; Saska Petrova, University of Manchester
 CHAIR(S): Saska Petrova, University of Manchester
10:00 Aysen Eren*, Yale University (Fox Fellow), Bogazici University; Susannah McCandless, Global Diversity Foundation, *"Fixing" River Valleys as "Energy Commons": What Does Massive Small River Hydropower Development in Turkey Tell Us?*
10:20 Lisa Marshall*, UNC-Chapel Hill (& NC State University), *New Nuclear: Current Assemblages of the US Nuclear Industry.*
10:40 Kirby Calvert*, The Pennsylvania State University; Kean Birch, York University, *Theorizing the geographies of energy transitions: recursive cartographies and the case of 'drop-in' biofuels..*
11:00 Graham Pickren*, University of Georgia, *'Factories of the 21st Century': Data Centers, Cloud Computing, and the Search for an Energy Fix.*
11:20 Maryam Rezaei*, University of British Columbia, *Tension in the wires: The struggle for power in Tsay Keh.*
- 5269. Economies of Death: Economic logics of killable life and grievable death (I) (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group)**
Room: Meeting Room 2, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Patricia J Lopez, University of Washington; Kathryn Gillespie, University of Washington
 CHAIR(S): Kathryn Gillespie, University of Washington
10:00 Jennifer Fluri*, Dartmouth, *"Suffering is a bridge between people": The Currency and Geopolitics of Grief.*
10:20 Jennifer Musial, PhD*, Dickinson College, *"When Biopolitics Meets Necropolitics: Prenatal Femicide in the National News Media".*
10:40 Phil McManus*, U of Sydney, *Death in the Afternoon: Media reporting of jumps racing events in Australia and New Zealand.*
11:00 L. A. Watson*, The National Museum of Animals & Society, *Roadside Memorial Project.*
11:20 Renee Tapp*, Clark University, *Saying goodbye to the big Other: Ideology and funeral rituals in the digital era.*
- 5270. Vital Geographical Themes: Crime, Ethnicity, and Cities (Sponsored by Cultural Geography Specialty Group, Racism and Violence, Ethnic Geography Specialty Group)**
Room: Meeting Room 3, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Lawrence Estaville, Texas State University
 CHAIR(S): Lawrence Estaville, Texas State University
10:00 Jay Newberry*, Binghamton University, *A Better Quality Of Life - Analysis of Somali Secondary Migration (Paper).*
10:20 Edris J Montalvo, PhD*, Cameron University; Lawrence E. Estaville, PhD, Texas State University, *Latino Political Influence in the Texas Panhandle, 1980-2010.*
10:40 Keith A. Bremer*, Fort Hays State University, *Socio-Demographic Characteristics and Sustainability Preferences of New Urbanist Neighborhood Residents in Denver, Colorado.*
- 11:00** Phillicia Phillips Holland*, Texas State University, *Exploring Geographic Relationships in Urban Environments: Methodological, Data and Analytical Challenges.*
- 11:20** Lawrence Estaville*, Texas State University; Phillicia Phillips, Texas State University, *Mapping Texas Urban Crime Trends.*
- 5271. Time Geography: New Research Directions, Developments, and Applications (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
Room: Meeting Room 4, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Hongbo Yu, Oklahoma State University; Shih-Lung Shaw, University of Tennessee; Kajsa Ellegård, Linköping University, Technology and social change
 CHAIR(S): Kajsa Ellegård, Linköping University, Technology and social change
10:00 Mattias Hellgren*, Linköpings University, *Doing Quantitative Analyse of Time-Diary Data from a Time-Geographic Perspective -- Challenges and Possibilities.*
10:20 Katerina Vrotsou*, Linköping University, *Rethinking the space-time cube from an activity perspective.*
10:40 Magdalena Cederling*, Dept. of Social and Economic Geography, Uppsala Universitet, *Consequences of school closure in Swedish rural areas.*
11:00 Wei Wang*, University of Iowa; Kathleen Stewart, University of Iowa, *Retrieving Patterns of Hazard Events through Tweets.*
11:20 Kajsa Ellegård*, Linköping University, Technology and social change, *The whole and its parts - elementary events as tools for analyzing individual paths.*
- 5272. Building bridges: The Network of Alliances for Geographic Education (Sponsored by Geography Education Specialty Group)**
Room: Meeting Room 5, Marriott, Second Floor (Panel Session)
 ORGANIZER(S): Zia Salim, San Diego State University / University of California, Santa Barbara
 CHAIR(S): Zia Salim, San Diego State University / University of California, Santa Barbara
 Panelists: David Lanegran, Macalester College; Jerry Mitchell, University of South Carolina; Rebecca Theobald, University of Colorado Colorado Springs
- 5273. Economic and Financial Geographies of Eastern Europe (Sponsored by Economic Geography Specialty Group)**
Room: Meeting Room 6, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Martin Sokol, Trinity College Dublin; Petr Pavlinek, University Of Nebraska at Omaha; Zoltán Gál, Centre for Regional Studies Hungarian Academy, University of Kaposvár
 CHAIR(S): Martin Sokol, Trinity College Dublin
10:00 Martin Sokol*, Trinity College Dublin, *Finance, Post-Socialism and Crisis: Critical Reflections.*
10:20 Petr Pavlinek*, University of Nebraska at Omaha, *Linkages and spillovers in global production networks: Firm-level analysis of the Czech automotive industry.*
10:40 Joze P Damijan*, Univesity of Ljubljana; Joep Konings, University of Leuven, *Agglomeration Economies, Globalization and Productivity: Firm level evidence for Slovenia.*
11:00 Zoltán Gál*, Centre for Economic & Regional Studies, Hungarian Academy, *Role of Financial Sector FDI In Regional Imbalances In East And Central Europe.*

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- 5274. (Re)Imagining Territory as Political Ecological Process II: Conflict, Indigenous Rights, and Law (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)**
Room: Meeting Room 7, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Joel Correia; Eric Lovell, University of Colorado - Boulder
 CHAIR(S): Eric Lovell, University of Colorado - Boulder
10:00 David Tecklin*, University of Arizona, *Marine territory and property rights in Chile: a legal political ecology.*
10:20 Teo Ballve*, UC Berkeley, *"Zone Breaking": A Political Ecology of Territory in a Colombian War Zone.*
10:40 Darcie Houck*, Fredericks Peebles & Morgan LLP; Darcie Houck, Esq., Fredericks Peebles & Morgan LLP, *Indigenous Territories: Climate Ethics and the Protection of Existence.*
11:00 Joel Correia*, University of Colorado at Boulder Department of Geography, *Contesting territory! Performing territory. Reimagining territory?: The territorial claims process, indigenous rights, and struggles for recognition in Latin America..*
 Discussant(s): Joseph Bryan, Department of Geography, University of Colorado, Boulder
- 5277. The Politics of Space in the Migrant Metropolis Part II (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Meeting Room 8, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Stacy Harwood, University of Illinois; Willow Lung Amam, University of Maryland, College Park
 CHAIR(S): Willow Lung Amam, University of Maryland, College Park
10:00 Carolina Socorro Sarmiento*, University of California Irvine, *Shaping a Vision of Diversity and Displacement.*
10:20 Dieter Leyssen*; Eva De Fré; Ward Verbakel, *Keeping the Fence. The Re-appropriation of Gentrification in Red Hook.*
10:40 Wei Yin*, Department of Geography, University at Buffalo-SUNY; Jessie P.H. Poon, Department of Geography, University at Buffalo-SUNY, *Skilled Immigrants and Human Capital in the United States.*
11:00 Erualdo R. Gonzalez*, California State University, Fullerton; Lorena Guadiana, B.A., Crafton Hills College, *Culture-led regeneration or creative gentrification?*
11:20 Stacy Anne Harwood, PhD*, University of Illinois, Urbana-Champaign; Sang Lee, University of Illinois, Urbana-Champaign, *Immigrant-Friendly Community Initiatives: Rustbelt Efforts to Attract and Retain Immigrants.*
- 5278. Regenerating Routes of the Decolonial Option: Rooting Decoloniality in Afro-descendant and Indigenous Forest/River Territories in Latin America (Sponsored by Latin America Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Meeting Room 9, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Julianne Hazlewood, Trent-in-Ecuador, Trent University; Ulrich Oslender, FIU
 CHAIR(S): Ulrich Oslender, FIU
10:00 Ulrich Oslender*, FIU, *Decoloniality and Aquatic Epistemologies on Colombia's Pacific Coast: towards a critical place perspective on social movements.*
10:20 Julianne A. Hazlewood*, Trent-in-Ecuador, Trent University, *Navigating Chachi and Afro-descendant Forest/River Territories and the (De)coloniality of Conservation in the Northwest Pacific Coast of Ecuador.*
10:40 Tami Okamoto*; Mario Zuhiga Lossio, *New territorialities around oil contamination in the Peruvian Amazon.*
11:00 Ivan Dario Vargas Roncancio*, Duke University, *Agro-biodiversity law and decolonial engagements in the Colombian Amazon.*
 Discussant(s): Jennifer Casolo, Centro de Investigaciones Regionales de Mesoamérica
- 5280. Urban natures: Infrastructure, ecology, and the 'resilient' city I (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
Room: Meeting Room 11, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Joshua Cousins, University of Michigan; Josh Newell, University of Michigan; Gregory Simon, University of Colorado Denver
 CHAIR(S): Joshua Cousins, University of Michigan
10:00 Sara Anne Meerow*, University of Michigan; Melissa Stults, University of Michigan; Joshua Newell, University of Michigan, *Defining Urban Resilience.*
10:20 Missy Stults*, University of Michigan; Rosina Bierbaum, University of Michigan; Larissa Larsen, University of Michigan, *Assessing the State of Local Climate Adaptation Planning the United States.*
10:40 Sarah Dooling*, University of Texas, *Novel landscapes: Challenges and Opportunities for Educating Future Ecological Designers and Restoration Practitioners.*
11:00 V. Kelly Turner, PhD*, Kent State University, *Sustainable Urban Planning, Multi-scalar Institutional Landscapes, and the Implications for Ecosystem Service Provisioning.*
- 5281. Environment and Water**
Room: Meeting Room 12, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Hosuk Lee, University of North Georgia
10:00 Yongjin Chen*; Weihong Li; Yaning Chen; Jiazheng Liu; Ming Lu; Mengchen Xu, *Variations in depth and chemical composition of groundwater during an interval in intermittent water delivery.*
10:20 Ranhao Sun*, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Liding Chen, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, *Surface Water Quality Assessment At Large Watershed Scale: Land Use, Anthropogenic, And Administrative Impacts.*
10:40 Nayoung Jo*, University of Maryland, *How the Locals Have Become Invisible in the Process for Building a Naval Base in South Korea.*
11:00 Hosuk Lee*, University of North Georgia; Tony Zschau, University of North Georgia, *A Comparative Study on Environmental Justice between the U.S. and South Korea.*
- 5282. Coastal and aeolian processes and landforms II: aeolian geomorphology (Sponsored by Coastal and Marine Specialty Group)**
Room: Meeting Room 13, Marriott, Third Floor (Paper Session)
 ORGANIZER(S): Brandon Edwards, Louisiana State University; Katherine Renken, Louisiana State University
 CHAIR(S): Brandon Edwards, Louisiana State University
10:00 Christy Swann*, Texas A&M University; Douglas J Sherman, University of Alabama, *Defining the Threshold of Motion for Wind-blown Sand.*
10:20 Bailiang Li*, Xi'an Jiaotong-Liverpool University; Jean T Ellis, Department of Geography, University of South Carolina; Douglas J. Sherman, Department of Geography, University of Alabama, *Evaluating the variability of Bagnold's A (1936) during aeolian saltation.*
10:40 Katherine Renken*, Louisiana State University; Steven Namikas, Louisiana State University, *Investigation of the response of vegetation morphology to fluctuations in wind energy and the impact on aeolian sediment*

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transport.

- 11:00** Brandon L Edwards*, Louisiana State University Agricultural Center; Steven L Namikas, Louisiana State University; Richard F Keim, Louisiana State University Agricultural Center, *Spatiotemporal controls on large-scale aeolian transport events on fine-grained beaches.*

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AAG Awards Luncheon

Saturday, April 12, 11:50 a.m. - 2:00 p.m.

Room: Ballroom 1, Westin Hotel, First Floor

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 12 in Ballroom 1 of the Westin Hotel from 11:50 a.m. - 2:00 p.m.

The following Honors will be presented:

AAG Lifetime Achievement Honors

Anne Buttner, University College Dublin and
Alexander Murphy, University of Oregon

AAG Distinguished Scholarship Honors

Meric Gertler, University of Toronto and
Amy Glasmeier, MIT

AAG Ronald F. Abler Distinguished Service Honors

James W. Harrington, University of Washington, Tacoma
Wei Li, Arizona State University

AAG Gilbert Grosvenor Geographic Education Honors

Darrel Hess, City College of San Francisco

AAG Gilbert White Public Service Honors

Eve Gruntfest, University of Colorado - Colorado Springs

AAG Media Achievement Award

Derek Alderman, University of Tennessee

AAG Publication Award

Esri

In addition to AAG Honors, the Burrill Award, Nystrom Award, AAG Enhancing Diversity Award, Harold M. Rose Award for Anti-Racism in Research and Practice, AAG Stanley Brunn Award for Creativity in Geography, AAG Globe and Meridian Book Awards, Specialty Group Awards, and others will also be presented.

The following individuals have held 50 years of continuous AAG membership, a measure of support for the Association that will be recognized at the AAG Awards Luncheon:

Ronald F. Abler
James P. Allen
William R. Black
Robert O. Clark
Malcolm L. Comeaux
Gary S. Elbow
John B. Fieser,
Robert R. Geppert
Lay J. Gibson
Charles Good, Jr
Janet H. Gritzner
Gilbert M. Grosvenor
Kingsley E. Haynes
John C. Hudson
John A. Jakle
Wayne E. Kiefer
Max C. Kirkeberg
Charles Kovacic

James S. Kus
Ary J. Lamme, III
Lawrence E. Maxwell
David R. Meyer
M Clare Newman
Philip R. Pryde
Gabriel A. Renzi
Thomas F. Saarinen
David E. Schwarz
George E. Sinnott
James N. Snaden
Clifford E. Tiedemann
Stephen W. Tweedie
George M. Ververides
David Ward
Stephen O. Wilson
Richard D. Wright

The cost of the luncheon is \$55, including service and tax. A complete table of ten is also available at \$495. Tickets may be purchased at the AAG Registration Desk.

SATURDAY, APRIL 12 • 2:00 PM - 3:40 PM • 5400

5403. Arid Region Issues and Sub-Saharan Africa

Room: Room 3, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yu Sun

2:00 Richard A Mbih*, University of Missouri-Kansas City, *Agro-pastoral landuse transformation: Implications and perspectives in Northwest Cameroon.*

2:20 Mark DeVisser*, Michigan State University; Joseph Messina, PhD, Michigan State University, *Land Cover Change and Disease Ecology: Quantifying the impact of invasive mesquite on tsetse fly habitat around Lake Baringo, Kenya.*

2:40 Frederick S. Pianalto, MS*, University of Arizona, *Estimating environmental sources of valley fever pathogen propagation in southern Arizona.*

3:00 Maria C Fragkou*, University of Chile, *Metabolising seawater: A framework for the analysis of desalination's socio-environmental impacts.*

3:20 Yu Sun*, *Water Resource Management in Las Vegas.*

5405. Human Security Approaches to Understanding Conflict and Instability

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Dona Stewart

CHAIR(S): Hussein Amery, Colorado School of

2:00 Kent H Butts, PhD*, Penn State University Harrisburg, *Climate Change and Homeland Security: The Human Security Link.*

2:20 Katherine C Malpeli*, United States Geological Survey; Peter G Chirico, United States Geological Survey, *A sub-national scale geospatial analysis of diamond deposit lability: The case of the Central African Republic.*

2:40 Hussein A Amery, Ph.D.*, Colorado School of Mines, *Mitigating Threats to Saudi Arabia's Water Security.*

5407. Post-structural Interventions I: Geo-analytics and a New Epistemology of Poverty (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Lakshman Yapa, Pennsylvania State; Ann James, Pennsylvania State University

CHAIR(S): Stephen Healy, Worcester State University

2:00 Lakshman Yapa, Professor*, Pennsylvania State, *A New Epistemology of Poverty.*

2:20 Ann Myatt James*, Pennsylvania State University, *Opportunities in Distressed Places: Post-Structural Interventions in Food Assistance.*

2:40 Ashlee Adams*, Penn State University, *Food Security, Urban Agriculture, and GIS in West Philadelphia.*

3:00 Sterling Quinn*, The Pennsylvania State University; Lakshman Yapa, The Pennsylvania State University, *OpenStreetMap and enabling agency in food security.*

Discussant(s): Kevin St. Martin, Rutgers University

5408. Economic Geography and Labor Markets

Room: Room 8, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mark De Socio, Salisbury University

2:00 Richard P Greene*, Northern Illinois University; Richard L Forstall, Independent Scholar, *A Comparative Analysis of Job Center Growth and Decline in Chicago and Los Angeles: 1990 to 2010.*

2:20 Yangmi Koo*, Department of Geography, Seoul National University, *Labor Market and Employment of the Urban Elderly in Korea.*

2:40 Peter Svoboda*, Charles University in Prague; Ivana Pridalova*, Charles University in Prague, *Flexibility and Localization of Work as Field of Study for Labor*

Geography: Historical Perspective on Case of the Czech Republic.

3:00 Paul H Jung*, Seoul National University, *Crisis of Self-employed Economy: Latent Impact on Industries and Regional Disparity in South Korea.*

3:20 Mark De Socio*, Salisbury University, *Impacts of corporate mergers and acquisitions on urban regimes: A comparative social network analysis.*

5412. Rural Development and Agrarian Policies

Room: Room 12, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Georgeta S Connor, Georgia Gwinnett College

2:00 Irene Shaver, PhD Candidate*, University of Idaho; Leontina Hormel, PhD, Associate Professor, University of Idaho; Nicole Sibelet, PhD, Researcher, CIRAD, France and CATIE, Costa Rica, *Pineapples, Forests and People: The Inequality of Economic Development in Rural Costa Rica.*

2:20 Lee Mackey*, University of California, Los Angeles, *Emerging Policy Models and the Restructuring of Agrarian Institutions in Bolivia, 2003-2013.*

2:40 Easther Chigumira*, University of Oregon, *Political Ecology of Agrarian Transformation: a case of Sanyati District, Zimbabwe.*

3:00 Olli Lehtonen*, University of Eastern Finland; Markku Tykkyläinen, University of Eastern Finland, *Local economic preconditions for place-based development in rural areas - experiences from Finland.*

3:20 Georgeta S Connor, Ph.D.*, Georgia Gwinnett College, *Disaggregating Integration Attitudes: A Social Constructivist Analysis of Rural Romania after Seven Years of EU Membership.*

5413. Dendrochronology III: Dendroclimatology (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Stockton Maxwell, Radford University; Henri D. Grissino-Mayer, University of Tennessee

CHAIR(S): Shelly Rayback, University of Vermont

2:00 Shelly A Rayback*, University of Vermont; Andrea Lini, University of Vermont; Mary Gagen, Swansea University; Charles Cogbill, Harvard Forest, *Chasing the signal: Re-examining the potential of an eastern hemlock stable carbon isotope ratio chronology to reconstruct climate in the Northern Forest.*

2:20 Xiaolu Li*, University of Minnesota; Scott St. George, Dr., University of Minnesota, *Forward Modeling of Tree-Climatic Relations across the Northern Hemisphere and Temporal Trends in Climate Sensitivity of Tree-Ring Widths.*

2:40 Sarah L. Quann*, Carleton University; Trevor J. Porter, University of Alberta; Dan J. Smith, University of Victoria; Michael F.J. Pisarc, Brock University, *A dendroclimatological investigation of the divergence problem using white spruce (Picea glauca), Northwest Territories, Canada.*

3:00 Connie A. Woodhouse*, University of Arizona; Rebecca L. Brice, University of Arizona; Michael A. Crimmins, University of Arizona; Daniel Griffin, Woods Hole Oceanographic Institute; Holly L. Faulstich; Daniel B. Ferguson, University of Arizona; Alison M. Meadow, University of Arizona, *Three-Season Hydroclimatic Variability from Tree Rings in the Four Corners Region, USA.*

3:20 Amy Hessler*, West Virginia University; Neil Pederson, Lamont-Doherty Earth Observatory of Columbia University; Nachin Baatarbileg, Dept. Forestry, National University of Mongolia; Kevin Anchukaitis, Woods Hole Oceanographic Institute, *Pluvials,*

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Droughts, the Mongol Empire, and Modern Mongolia.

5415. Mountain Landscapes and Communities in a Changing World (Sponsored by Human Dimensions of Global Change Specialty Group, Mountain Geography Specialty Group)

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Jeff La Frenierre, Ohio State University; Molly Polk, University of Texas at Austin

CHAIR(S): Jeff La Frenierre, Ohio State University

2:00 Peter A Bordokoff*, *Phenomenological Perceptions of Climate Change in Upper Svaneti, Georgia.*

2:15 Molly H. Polk*, University of Texas at Austin, *Mountain Peatlands and Glacier Recession: A Case Study from Peru's Huascarán National Park.*

2:30 Lynn M Resler, PhD*, Virginia Tech; Yang Shao, PhD, Virginia Tech; James B. Campbell, PhD, Virginia Tech; Klaus Moeltner, PhD, Virginia Tech, *Exurban development under changing amenity values in the Crown of the Continent Ecosystem, USA.*

2:45 Keith Bosak*, The University of Montana; Sarah J. Halvorson*, University of Montana; Raghubir Chand, Department of Geography, Kumaun University, *Impacts of Changes in Climate and Socio-Economic Structure on Indigenous Populations in the Garhwal Himalaya, North India.*

3:00 Jeff La Frenierre*, Ohio State University, *Papa Chimborazo is Not Like He Was Before: Climate Change, Glacier Retreat and Water Supply in the Andes of Ecuador.*

Discussant(s): Richard A. Marston, Kansas State University

5416. Patterns and Processes of Urban Decline (Sponsored by Regional Development and Planning Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Amy Frazier, University at Buffalo; Jason Knight, SUNY Buffalo State

CHAIR(S): Jason Knight, SUNY Buffalo State

2:00 Amy E. Frazier, Ph.D.*, Oklahoma State University; Sharmistha Bagchi-Sen, Ph.D., University at Buffalo, *Understanding the Patterns of Land Cover Change in Shrinking Cities.*

2:20 Patrick Oberle*, Syracuse University; Jonnell A. Robinson, Syracuse University, *Housing, Demolition and the Legacy of Urban Renewal in Syracuse, New York.*

2:40 Xiaonan Tai*, University of Buffalo, *The temporal trend of immigrants' employment patterns in the context of declining cities.*

3:00 Brian Mikelbank*, Cleveland State University, *The Impact of Mortgage Fraud on Neighborhood Housing Market Trajectories.*

3:20 Jason Knight, PhD, AICP*, SUNY Buffalo State, *A Socio-Spatial Analysis of Demolitions in a Shrinking City: The Case of Buffalo, NY.*

5417. Approaches to Health and Demographic Analysis

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ling Bian, SUNY- Buffalo

2:00 WEI XU*, University of Wisconsin Milwaukee, *Developing Population Grid with Demographic Trait: An Example for Milwaukee County, Wisconsin.*

2:20 Amir Siraj*, Department of Geography & the Environment, University of Denver; Paul Sutton, Department of Geography & the Environment, University of Denver, *Infectious Diseases and Rural Mobility.*

2:40 Diansheng Guo*, University of South Carolina, *Developing Geographic Aggregation Approaches for Dissemination and Analysis of Large Health Data.*

3:00 Liem Tran*, University of Tennessee at Knoxville; Robert O'Neill, Oneida Total Integrated Enterprises, *Applying Hierarchy Theory to Epidemiological Studies via Multilevel Modeling.*

3:20 Ling Bian*, University at Buffalo, State University of New York; Shiran Zhong, University at Buffalo, State University of New York, *The response of location-based disease transmission networks to dynamics of epidemics.*

5418. American Rurals (Sponsored by Rural Geography Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Cheryl Morse, University of Vermont

CHAIR(S): Cheryl Morse, University of Vermont

2:00 Matt McCourt*, University of Maine Farmington; Gabriel Perkins*, Univ of Maine at Farmington, *Everyday commonings: Contesting propertarian political imaginaries in northern New England.*

2:20 Michael Longan*, Valparaiso University, *Somewhere Between Conway and T-Pain: Locating Exurban Culture.*

2:40 Linnea C Sando*, Montana State University, *Sheep Country in the American West: Place and Identity in Two Communities.*

3:00 Ellen Hostetter*, University of Central Arkansas, *Landscapes of Solar Technology.*

3:20 Kristina M. Sweet, MA Candidate*, University of Vermont, *"Keep Those Fields Alive": Visioning the Agricultural Landscape of Vermont's Mad River Valley.*

5419. Science, Politics and Conflict in Aquatic Environments: From Restoration to Intervention? II

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Chris Sneddon, Dartmouth College; Francis Magilligan, Dartmouth College; Coleen Fox, Dartmouth College

CHAIR(S): Chris Sneddon, Dartmouth College

Introducer: Francis Magilligan

2:03 Brian Marks*, Louisiana State University, *Political ecological dimensions of BP oil spill restoration.*

2:23 Shaun Lin, Mr*, Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong; Clive Schofield, Prof, Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong, *Restoring a threatened coastal environment across scales and boundaries: Subnational joint cooperation and politics of scale in the Gulf of Thailand.*

2:43 Chad S Boda*, Lund University Centre for Sustainability Studies, P.O. Box 170, SE-221 00 Lund, Sweden; Vasna Ramasar, Lund University Centre for Sustainability Studies, P.O. Box 170, SE-221 00 Lund, Sweden, *Scaling Barrier Island Management: Science, Culture, and Politics on Florida's Atlantic Coast.*

3:03 Katrina Schwartz, Ph.D.*, University of Florida; Katrina Z. S. Schwartz, Ph.D., U. of Florida, *Gridlock in the Everglades: Large-Scale Ecosystem Restoration and the Politics of the Anthropocene.*

Discussant(s): Chris Sneddon, Dartmouth College

5420. Author Meets Critics: Mona Atia's "Building a House in Heaven: Pious Neoliberalism and Islamic Charity in Egypt"

Room: Room 20, TCC, First Floor (Panel Session)

ORGANIZER(S): Hiba Bou Akar, Hampshire College

CHAIR(S): Hiba Bou Akar, Hampshire College

Discussant(s): Nada Mountaz, the ohio state university; Rachel Silvey, U. of Toronto; Matthew Sparke, University of Washington

Panelists: Mona Atia, George Washington University

5422. Food Programs and Hunger

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Dr. Melissa Rura, United Methodist Neighborhood Centers of Memphis; Colleen

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CHAIR(S): Colleen Hammelman

2:00 Margarita Fernandez*, University of Vermont, Agroecology and Rural Livelihoods Group, *Seasonal hunger in coffee communities: Integrated analysis of livelihoods, agroecology, and food sovereignty with smallholders of Mexico and Nicaragua.*

2:20 Jose R S Ribeiro Junior*, Universidade de São Paulo (USP), *A spatial critique to the concept of food (in) security.*

2:40 Xiang Chen*, Department of Geography, The Ohio State University; Xining Yang, Department of Geography, The Ohio State University, *Does Food Access Influence Individual Food Choices? A Space-time Analysis through "Tweets".*

3:00 J Leaman, Ph.D.*, Villanova University, *MERET: From Food Aid to a Development Strategy.*

3:20 Colleen Hammelman*, Temple University, *Understanding food insecurity among displaced women in Medellin: A spatial analysis of coping strategies, social networks, and mobility.*

5423. Environmental Impacts and Conservation

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nohemi Voglozin, Geography and Environmental Systems / University of Maryland, Baltimore County

2:00 Andrew Marshall*, Penn State University, *Contested Visions of Impact: Environmental Impacts Statements and the Trident Support Site in Kitsap County, Washington.*

2:20 Stephanie Gagliardi*, Department of Geography, University of Toronto, Canada; Marney E Isaac, PhD, Department of Geography, University of Toronto, Canada and Department of Physical & Environmental Sciences, University of Toronto Scarborough, Canada, *Intraspecific trait plasticity in coffee agroforestry systems across geographical regions in Costa Rica.*

2:40 Jillian A Sherman*, Mona Atia, *Defining Success in the Anti-GMO Movement: Global trends in the growth and resistance of GMOs.*

3:00 Kees Jansen*, Wageningen University, *Contentious Pesticide Risk Regulation and Business Conflict: The Importance of the Costa Rican Controversy for International Pesticide Regimes.*

3:20 Nohemi Voglozin, PhD*, Geography and Environmental Systems / University of Maryland, Baltimore County, *Patterns of genetic and ecogeographical diversity of farmer's rice varieties in Benin (West Africa).*

5424. Social network analysis, relational blockmodels and economic geography

Room: Room 24, TCC, First Floor (Paper Session)

ORGANIZER(S): Johannes Glückler, Universität Heidelberg

CHAIR(S): Laura Prota, University of Salerno

Introducer: Johannes Glückler

2:10 Laura Prota*, University of Salerno, *Blockmodeling the rice commodity chain: markets, captive and relational governance in the Mekong River Delta of Vietnam.*

2:30 Charles Kirschbaum*, Insper Instituto de Ensino e Pesquisa, *Blockmodeling jazz field evolution: a comparison between Europe and U.S..*

2:50 Ivan Cucco, PhD*, University of Naples, *Inventing and patenting across EU regions: A blockmodeling analysis.*

3:10 Johannes Glückler*, Universität Heidelberg; Robert Panitz*, Heidelberg University, *Theorizing and blockmodeling new divisions of labor in German stock photography.*

5431. Climate change and uncertainty at the livelihood-landscape nexus in Africa II (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Climate Change, Africa Specialty Group)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Kimberly Medley, Miami University

CHAIR(S): Asher Siebert, Rutgers University

2:00 Laurent Bruckmann*, Université Paris Diderot; Gerard Beltrando, Université Paris Diderot, *Sustainable rural development : exploring multifunctionality of agricultural livelihoods in Senegal River Valley.*

2:20 Kgosietsile Velepini*, Ohio University; Thomas Smucker, PhD, Ohio University, Department of Geography, *Local Knowledge and Resource Management to Mitigate Climate Change Impacts: Mapping and Assessing Water Management Challenges in North Pare Highlands, Tanzania - Africa.*

2:40 Hanson Nyantakyi-Frimpong*, Western University, CANADA, *Climate-resilient Agriculture: A Critical Examination of Zai Farming in Dryland West Africa.*

3:00 Narcisa G Pricope, PhD*, University of North Carolina Wilmington; Shraddhanand Shukla, PhD, University of California Santa Barbara; Catherine Linard, PhD, Université Libre de Bruxelles, *Exploring changes in surface runoff in relation to precipitation and population density changes in the Lake Victoria Basin of Eastern Africa.*

3:20 Asher Siebert*, Rutgers University; M. Neil Ward, Rutgers University, *Assessing the Sensitivity and Viability of Index Insurance as an Adaptation Tool in a Changing Climate Context: Case Study in the West African Sahel.*

5432. Hazards, Vulnerability and Socio-Ecological Impacts of Climate Change (Sponsored by Geographies of Climate Change)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Geographies of Climate Change

CHAIR(S): David Keellings, University of Florida

2:00 Michael Binford*, University of Florida; John Felkner, Florida State University; Alan Kolata, University of Chicago; Matti Kumm, Aalto University, Finland; Sabina Shaikh, University of Chicago, *Sampling riparian villages in Cambodia's Mekong River-Tonle Sap floodplains to study potential effects of climate change and upstream hydropower development..*

2:20 Marie Cieri, Critic*, Rhode Island School of Design, *Sea-Level Rise in Boston: A Geographic Art Intervention.*

2:40 Bohumir Jansky, Professor*, Faculty of Science, Charles University in Prague, *Climate change impact on Amazon River headwaters in Western Andes, Peru.*

3:00 David Keellings*, University of Florida; Peter Waylen, University of Florida, *Investigating Drivers of Bivariate Heat Waves in Florida using Extreme Value Analysis.*

5433. Spatial Optimization and Analysis III (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Ran Wei, Arizona State University; Daoqin Tong, University of Arizona - Geography & Regional Development

CHAIR(S): Ran Wei, Arizona State University

2:00 Insu T Hong*, School of Geographical Science and Urban Planning, Arizona State University; Alan T Murray, School of Geographical Science and Urban Planning, Arizona State University; Sergio J Rey, School of Geographical Science and Urban Planning, Arizona State University, *High performance computing to derive obstacle-avoiding shortest paths.*

2:20 Ting Lei*, University of South Carolina, *On the*

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Vulnerability of Minimax Networks: An Interdiction Center Problem.

2:40 Kamyoun Kim*, Kyungpook National University; Hyun Kim, University of Tennessee at Knoxville; Yongwan Chun, University of Texas at Dallas, *A spatial optimization approach for districting housing market areas.*

3:00 Yan Li*, Hyun Kim, *Survivability of the Beijing Subway System with the Completion of an Additional Subway Line.*

5434. Land, Politics, and Contested Spaces

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jordi Martin, University of Barcelona

2:00 Nathan Swanson*, University of North Carolina-Chapel Hill, *United yet Divided: Palestinian Struggles for Home in Jerusalem.*

2:20 Sayoni Bose*, Ohio State University, *Messy Land Politics and the Relational State.*

2:40 Jordi Martin*, University of Barcelona, *Post-War Renewal of Sarajevo: Between Foreign Aid and Foreign Direct Investment.*

3:00 Feargal E Cochrane*, University of Kent; Feargal Eamonn Cochrane, Professor, University of Kent, *The UK City of Culture and the Politics of Conflict: The Case of Derry/Londonderry 2013.*

3:20 Amy Beams*, University of South Florida, *Situating Natural Hazards Policy in Urban Political Ecologies: New York Neighborhoods and the Aftermath of 'Hurricane Sandy'.*

5435. Climate Change and Human Health (Sponsored by Geographies of Climate Change)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Geographies of Climate Change

CHAIR(S): Fidelis Chinazor Okorie, Imo State University, Owerri Nigeria

2:00 Sadie J Ryan*, SUNY-ESF; Amy McNally, UCSB; Leah R Johnson, USF; Tal Ben-Horin, Rutgers; Erin Mordecai, UNC Chapel Hill; Krijn Paaijman, Barcelona Centre for International Health Research; Kevin D Lafferty, USGS, *Rising suitability, declining severity: climate change and shifting malaria transmissibility in Africa.*

2:20 Phoebe Minh Tran*, Emory University; Lance Waller, Dr., Emory University, *Effects of landscape fragmentation and climate on Lyme disease incidence in the Northeastern United States.*

2:40 Fidelis Chinazor Okorie*, Imo State University, Owerri Nigeria; Cyprain E Ezedike, PhD, Imo State University, Owerri, Nigeria; Christian N Chibo, Imo State University, Owerri, Nigeria, *Influence of Climate Variability on Mosquitoes Bite in Orlu Area of Imo State Nigeria.*

5436. New Spaces of Internet Activity 3: Intersecting digital geographies and material futures (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Room 36, TCC, Fourth Floor (Panel Session)

ORGANIZER(S): Donald Colley III, San Diego State University; Emily Fekete, University of Kansas

Discussant(s): Jim Thatcher, Clark University

Panelists: Emily Fekete, University of Kansas; Cheryl Gilge, University of Washington; Camilla Hawthorne; Paul Adams, University of Texas at Austin; Donald Colley III, San Diego State University

5439. Critical Approaches to Urban Water Governance III (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Water

Resources Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Michael Finewood, Chatham University; Ryan Holifield, University of Wisconsin ? Milwaukee

CHAIR(S): Michael Finewood, Chatham University

2:00 Elena Ridolfi, PhD Candidate*, Universitat Autònoma de Barcelona - UAB, *Governing the hydrosocial cycle in tourist coastal cities: the paradigmatic case of the heritage town of Venice, Italy.*

2:20 Malini Ranganathan*, American University; Carolina Balazs, University of California, Davis, *Drinking Water Marginalization at the Urban Fringe: Environmental Justice, Political Ecology, and Learning Across the North-South Divide.*

2:40 Rebecca Zarger*, University of South Florida; Gina Larsen, University of South Florida; David Lewis, University of South Florida; Shawn Landry, University of South Florida, *Ecological Proxies, Waterscapes, and Water Management in Tampa Bay, Florida.*

3:00 Nicholas Fielmua*, University for Development Studies, *Managing Small Town Water from a Systems' Perspective: A Precursor for an enhanced Urban Water Governance.*

5440. Geospatial Ontology, Semantics, and Metadata II: ontologies of topographic and landscape features (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Room 30B, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Gaurav Sinha, Ohio University

CHAIR(S): Gaurav Sinha, Ohio University

2:00 David M. Mark*, University at Buffalo; Gaurav Sinha, Ohio University, *Conceptualizing the Horizon.*

2:20 Dalia Varanka*, United States Geological Survey, *An Ontology Pattern for Surface Water/Hydrography.*

2:40 Chen-Chieh Feng*, Geography, National University of Singapore; Alexandre Sorokine, Oak Ridge National Laboratory, *Understanding semantic incompatibility of physical geographic features using VGI.*

3:00 Jesse Boyd, Ohio University; Amy Rock, PhD*, Ohio University, *Enabling Cross-Platform Analysis Through Aspect Translation.*

3:20 Gaurav Sinha, PhD*, Ohio University, *Linked Topographic Data.*

5454. East Asian City Growth, and Development

Room: Grand Salon C, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Caitlin Kontgis, UW Madison

2:00 Chaoyi Xu*, College of Urban and Environment Sciences, PKU; Liming Dong, College of Urban and Environment Sciences, PKU; Jian Lin, College of Urban and Environment Sciences, PKU; Chunlei Miao, College of Urban and Environment Sciences, PKU, *Evaluation of Saving and Intensive Use of Regional Construction Land ??Using Metropolitan Area of Beijing as an Example.*

2:20 Gunhak Lee*, Seoul National University; Kamyoun Kim, Kyungpook National University; Daeheon Cho, Seoul National University, *Exploring the MAUP effects on spatial hedonic regression models.*

2:40 Changchun Feng*, Yifan Zhang, *Temporal-Spatial Features and Influence Mechanism of Urban Land Economic Density.*

3:00 Caitlin Kontgis*, UW Madison; Annemarie Schneider, UW Madison, *Monitoring peri-urbanization in the greater Ho Chi Minh City metropolitan area.*

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5455. Geospatial Work Force Development

- Room:** Grand Salon D, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Kevin Archer, Central Washington University
2:00 Carolyn E Wilson*, American Geosciences Institute; Christopher M Keane, American Geosciences Institute; Heather R Houlton, American Geosciences Institute, *Mapping Geoscience Education and Career Pathways from the Undergraduate Degree into the Workforce.*
2:20 Abdulaziz A. Alshaikh, Prof. of Geography*, King Saud University, *Training, Scientific Research and Cooperative Education..*
2:40 Justin Holman*, TerraSeer, *Beyond ESRI: GIS Career Strategies in 2014.*
3:00 Chuck Fahrner*, Georgia College & State University, *Teaching the Teachers with Comparative Regional Geography.*
3:20 Kevin Archer*, Central Washington University, *Making the Case for Geography in the Modern Disciplinary Academy.*

5456. Applied Methods for Hazard and Disaster Assessment

- Room:** Grand Salon E, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Yuri Mansury, Cornell University
2:00 Erica Pfister-Altschul*, University of South Carolina, *Comparison of Ground-to-Air Visibility Analysis Methods.*
2:20 Jiafu Han*, LREIS,IGSNRR,CAS; Hongsheng Li, LREIS,IGSNRR,CAS; Heyuan Li, The Xian Institute of Surveying and Mapping; Xueqing Wu, HangZhou JingChuang Information Technology CO.,Ltd., *New Approaches of Bivariate Mapping for Hazard Analysis.*
2:40 Charles E Udosen*, University of Uyo, *Geospatial application in mapping landslide susceptibility for effective remediation and control.*
3:00 Chun-Hsiang Chan*, Department of Geography, National Taiwan University; Tzu-How Chu, Department of Geography, National Taiwan University; Jiun-Huei Protty Wu, Department of Physics, National Taiwan University, *VLF Electromagnetic Signal Analysis in Seismic Epicenter Application.*
3:20 Yuri Mansury*, Cornell University, *Paths of Destruction in Catastrophic Events: A Three-Step Approach to Measuring the Social Impact of Natural Disasters.*

5459. Criminology and Geography: Order and Conflict in the Public Space 3 (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

- Room:** Grand Salon H, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Mattias De Backer, VUB Criminology Department; Georgiana Varna, University of Glasgow
CHAIR(S): Georgiana Varna, University of Glasgow
2:00 Ilse Van Liempt*, utrecht university, *Reclaiming Civility in Urban Nightlife districts.*
2:20 Christopher Fortney*, Miami University Department of Geography, *'Who made you the graffiti police?': Graffiti, Public Space, and Resistance.*
2:40 Tara Lai Quinlan, LLM, JD*, London School of Economics & Political Science, *New York City's Criminalisation of Graffiti's Reappropriation of Urban Public Space.*
3:00 Frank H Annie, MA.,MPA*, FSU, *The Effects of a Party School Culture on a University Residential Community.*
Discussant(s): Rafael Winter Ribeiro, Universidade Federal do Rio de Janeiro

5461. Neo-Colonial Policies

- Room:** Grand Salon J, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Program Committee

CHAIR(S): Chris Maier

- 2:00** Luca Muscara*, Universita del Molise, *Imperialism and geopolitical complexity.*
2:20 Aharon de Grassi*, University of California, Berkeley, *Logistics of Liberation: A political economy of infrastructure in anti-colonial strategies past and present.*
2:40 Christopher O'Neal*, *Firing on the H.M.S. Amethyst, Destroying 100 Years of Imperialism on the Yangzi.*
3:00 Jose M Cajigas*, University of Akron, *Puerto Rican Passport: The Myths and Realities of American Colonialism in the XXI Century.*
3:20 Chris Maier*, South Dakota State University, *Pakistan: A Presidential Perception A Discourse Analysis of Presidential Speeches by Presidents Ronald Reagan, Bill Clinton, and George W. Bush.*

5465. Issues in Health Geography

- Room:** Florida Salon IV, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): James Dunn, McMaster University
2:00 Jun Tu*, Kennesaw State University; Wei Tu, Georgia Southern University, *Examining Spatially Varying Relationships between Preterm Births and Socioeconomic, Environmental, and Behavioural Factors using Geographically Weighted Logistic Regression.*
2:20 Xiaolu Zhou*, University of Illinois at Urbana-Champaign, *The built environment's impacts on the active travel of young adults in Chicago and Singapore.*
2:40 Yanqing Xu*, Louisiana State University, *Build environment and obesity: A multilevel analysis.*
3:00 James Dunn*, McMaster University, *Socially-Mixed Public Housing Redevelopment and Mental Health in Toronto's Regent Park.*
3:20 Daniel Buor*, *Knowledge and perception of HIV/AIDS and attitude towards sex among unmarried women (20-25) in the Kumasi Metropolis, Ghana: A Spatial Perspective.*

5466. Land Use and Land Cover Semantics: Principles, Best Practices and Prospects

- Room:** Florida Salon V, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Ola Ahlqvist, The Ohio State University
CHAIR(S): Ola Ahlqvist, The Ohio State University
2:00 Qi Zhang*, UNC at Chapel Hill, *Land Cover and Land Use Changes under Forest Protection and Restoration in Tianma Township, Anhui, China.*
Introducer: Ola Ahlqvist
2:20 Jared Margulies*, Department of Geography and Environmental Systems, UMBC; Nicholas Magliocca, PhD, National Socio-Environmental Synthesis Center; Erle Ellis, PhD, Department of Geography and Environmental Systems, UMBC, *Geographic and geometric ambiguities in case study research in land use and land change science.*
2:40 Mehdi P. Heris*, University of Colorado Denver; Austin Troy, University of Colorado Denver; Hossein Estiri, University of Washington, *Urban Morphology Analysis: development of a method to evaluate centralization and decentralization trends in metropolitan areas.*
3:00 Chandra Giri*, United States Geological Survey; Jordan Long, USGS EROS; Stephen Stehman, SUNNY, *Validation of high resolution continuous and categorical land cover database of the world.*

5467. Geographic Information Systems and Remote Sensing Technologies

- Room:** Florida Salon VI, Marriott, Second Floor (Paper Session)
ORGANIZER(S): Program Committee

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CHAIR(S): Coleman McCormick, spatial networks, inc.

- 2:00** Colleen Middleton*, Ryerson University; Stephen Swales, M.A., Ryerson University; Wayne Forsythe, B.Sc., M.Sc., Ph.D., Ryerson University, *The Use of Geographical Information System (GIS) Analysis to Delimit a Protected Area for the Old-Growth Red Pine Forest in Wolf Lake, Temagami, Ontario, Canada.*
- 2:20** Yongmin Yan*, Bechtel Corporation; Tracy McLane, Bechtel Corporation; Kevin Saso, Bechtel Construction Operations, Inc., *Improve the Efficiency of Construction Operations Using A GIS Based Spatial Quantity and Quality Reporting Tool.*
- 2:40** Jiao Wang*, University of Hawaii at Manoa; Tomoaki Miura, University of Hawaii at Manoa, *Validation of VIIRS VI products against flux tower measurements.*
- 3:00** Falguni Mukherjee*, Sam Houston State University, *GIS use by district administrators-A case-study of Surat, Gujarat in India.*
- 3:20** Coleman McCormick*, Spatial Networks, Inc., *Field Data Collection, Information From the Field Smarter + Faster.*

5468. Energy and the Socioecological Production of Space III: Energy and Territory (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Matt Huber, Syracuse University; Saska Petrova, University of Manchester
 CHAIR(S): Matt Huber, Syracuse University

- 2:00** Jenni Viitanen, PhD MeRSA*, The University of Manchester, *Energy Networks and the Space of Flows: Re-territorialising Collective Energy Consumption or Decoupling Risks and Rewards?*
- 2:20** Jaume Franquesa*, SUNY - Buffalo, *Debt, Renewable Energy and Financial Sustainability: the Spanish Crisis and the Electrical Oligopoly.*
- 2:40** Jeremy Schmidt*, Harvard University, *Energetic territory: law, land and socio-ecological relationships in Canada.*
- 3:00** Joshua Kirshner, PhD*, Durham University; Marcus Power, PhD, Durham University, *Energy, urbanization and postdevelopment in Tete, Mozambique.*
- Discussant(s): Stefan Bouzarovski, University of Manchester

5469. Economies of Death: Economic logics of killable life and grievable death (II) (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Patricia J Lopez, University of Washington; Kathryn Gillespie, University of Washington
 CHAIR(S): Patricia J Lopez, University of Washington

- 2:00** Jennifer Hyndman*, York University, *'Humanitarianism'? Proxy Wars and Economies of Death in Refugee Camps.*
- 2:20** Cary Karacas*, College of Staten Island - CUNY, *The Optics of Urban Ruination and Mass Death: Towards an Archaeological Approach to the Photography of the Japan Air Raids.*
- 2:40** Mollie Holmberg*, University of Washington, *Reconnecting Amid Crisis: Mourning in the Context of Ebola.*
- 3:00** Kathryn Gillespie*, University of Washington, *Grieving the individual animal: Making legible the everyday violence of U.S. dairy production.*

5471. Time Geography: New Research Directions, Developments, and Applications (III) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

- Room:* Meeting Room 4, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Hongbo Yu, Oklahoma State University; Shih-Lung Shaw, University of Tennessee; Kajsa Ellegård, Linköping University, Technology and social change
 CHAIR(S): Hongbo Yu, Oklahoma State University
- 2:00** Giulia Montanari*, Karlsruhe Institute of Technology, Institut für Geographie und Geoökologie, *Space-time paths as a tool to analyze narrative interviews - A contribution to a qualitative time-geographic methodology.*
- 2:20** Pierre Hallot*, The University of Iowa; Kathleen Stewart, The University of Iowa, *A Spatiotemporal Analysis of Membership: Formalizing the Space-Time Elements of Connection for Groups.*
- 2:40** Stella Todd, Ph.D*, MSUDenver; Claire Hay*, Metropolitan State University of Denver, *Time-space Visualization of Automobile Travel Time To Various Destinations from a Starting City.*
- 3:00** Atsushi Nara*, University of Oklahoma; May Yuan, University of Oklahoma; Marguerite S Keese, University of Oklahoma; William H Greenwood, University of Oklahoma; Meredith P Mouser, University of Oklahoma; Grant T Floyd, University of Oklahoma, *Discovering activity space from GPS tracks.*
- 3:20** Hongbo Yu*, Oklahoma State University; Leonard S. Bombom, Oklahoma State University, *A Time-Geographic Approach to Measuring Fragmentation in a Daily Activity Schedule.*

5472. Overcoming Ignorance and Indigenizing Education (Sponsored by Geography Education Specialty Group, Indigenous Peoples Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Laura Schaeffli; Anne Godlewski
 CHAIR(S): Laura Schaeffli

- 2:00** Martha E Moon, BAH; BEd; MEd (in progress)*, Lakehead University, *Starting with We: Indigenous Educators' Perspectives on Indigenous Students' Success in Public Boards.*
- 2:20** RDK Herman*, National Museum of the American Indian, *Culture and Knowledge for a Sustainable World.*
- 2:40** Anne Godlewski, PhD*, Queen's University; Laura M. Schaeffli, Queen's University, *Assessing and Addressing Awareness of Indigenous Peoples in Settler Populations: Canada.*
- 3:00** Christopher Lamb*, Queen's University, *Understanding What Students Can Learn About Aboriginal People in British Columbia, Canada.*
- 3:20** Johnathan Rose, BA (York); MA (Trent)*, Queen's University, *Past, Present, and Place: Analyzing Aboriginal Content in Required Textbooks for Newfoundland and Labrador Curriculum.*

5473. Manufacturing competitiveness in high wage economies: innovation dynamics in low- and medium-technology industries (Sponsored by Economic Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Paper Session)
 ORGANIZER(S): Carolyn J. Hatch; Pedro Marques, University of Kiel

- CHAIR(S): Pedro Marques, University of Kiel
- 2:00** Carolyn J. Hatch, PhD*, Michigan State University, *A question of scale? An agency-centered institutional perspective on workforce development in North American manufacturing.*
- Introducer: Brendan Sweeney
- 2:40** Pedro Marques*, Cardiff University, *Reindustrialising regions in Germany? The case of Schleswig-Holstein.*
- 3:00** Elena Goracinova, MA/Geography*, University of Toronto, *Production in the Innovation Economy.*

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an evolutionary-institutional perspective on manufacturing in high-wage economies.

Discussant(s): Susan Christopherson, Cornell University

5474. (Re)Imagining Territory as Political Ecological Process III: Reimagining the Frontiers of Territory (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)

Room: Meeting Room 7, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Joel Correia; Eric Lovell, University of Colorado - Boulder

CHAIR(S): Teo Ballve, UC Berkeley

2:00 Mark William Neff, Ph.D.*, Allegheny College, *The Contested Territories of Ecological Science.*

2:20 Gwendolin McCrea*, University of Minnesota, *Good Fences Are Not Enough: Re-Thinking Territory Through Urban Land-Use Conflicts.*

2:40 Susannah McCandless*, Global Diversity Foundation, *Driving (in) the Vermont landscape: Latino farmworkers claiming territory outside of citizenship.*

3:00 Joseph Holler*, Middlebury College, *Territories and spaces of planned climate change adaptation.*

Discussant(s): Dianne E Rocheleau, Clark University

5477. The Politics of Space in the Migrant Metropolis Part III (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Stacy Harwood, University of Illinois; Willow Lung Amam, University of Maryland, College Park

CHAIR(S): Willow Lung Amam, University of Maryland, College Park

2:00 Merita Bushi*, Macalester College, *Rethinking Heterolocalism: The Case of Place-Making among Albanian-Americans.*

2:20 James Chaney*, Middle Tennessee State University, *Tracing the Transnational Social Networks of Latino Migrant Workers in the American South.*

2:40 Andrew Ashley*, University of Kentucky, *Transnational Indian migration in IT: How skilled migrants negotiate seeking residency or returning.*

3:00 Anna Nassiff*, Macalester College, *"I am here to build with you": Placemaking and Segmented Assimilation of Lebanese and Lebanese-Americans in the Twin Cities.*

Discussant(s): Stacy Harwood, University of Illinois

5478. Spatial Analysis of Crime and Violence

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Danlin Yu, Montclair State University

2:00 Michael Gaffney*, Central Connecticut State University, *School district crime mapping in San Francisco California.*

2:20 Martin Oteng-Ababio*, University of Ghana; George Owusu, University of Ghana; Getrude Owusu, University of Ghana; Charlotte Wrigley-Asante, University of Ghana, *Longitudinal Analysis of trends and patterns of crime rate in Ghana - A new perspective.*

2:40 Ziying Jiang*, Miami University; Theresa Conover, Miami University, *The Relationship between the Demolished Lots and Police Call for Services in Hamilton City, Ohio.*

3:00 David McIlhatton, Dr, Univeristy of Ulster; Rachel Monaghan, Dr*, University Of Ulster, *Crime and paramilitaries: A spatial analysis of trends in Belfast.*

3:20 Danlin Yu*, Montclair State University; Robert Reid, Montclair State University, *Assaultive crime, alcohol and sociodemographic factors - a spatial analysis.*

5480. Urban natures: Infrastructure, ecology, and the 'resilient' city II (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Joshua Cousins, University of Michigan; Josh Newell, University of Michigan; Gregory Simon, University of Colorado Denver

CHAIR(S): Joshua Cousins, University of Michigan

2:00 Sasha Biatriz Broadstone, Masters student, B.S.*, Texas A&M University, *"Growing food is work: Determining socio-spatial characteristics of urban agriculture in Houston, TX."*

2:20 Ruth Lane*, Monash University; Simon P.J. Batterbury, PhD, University of Melbourne, *Bike shed cooperatives as a window on urban political ecology.*

2:40 Shannon Palmer*, Clark University; Deborah Martin, PhD, Clark University; Verna DeLauer, PhD, The Marsh Institute, Clark University; John Rogan, PhD, Clark University, *Public Participation in Invasive Species Management: A Case Study of Policy Implementation in the Asian Longhorned Beetle Infestation in Worcester, Massachusetts.*

3:00 Zbigniew Jakub Grabowski*, Portland State University; Annie Marissa Matsler, Portland State University; Cassandra Thiel, University of Pittsburgh; Richard Hum, University of Alaska, Fairbanks; Amanda Bradshaw, Columbia University; Lauren McPhillips, Cornell University; Thaddeus Miller, Portland State University; Charles Redman, Arizona State University, *Weaving the Seamless Web: Conceptualizing Integrated Infrastructures for the 21st Century.*

5481. Land, Water and Carbon

Room: Meeting Room 12, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Yong Tian, Central Michigan University; Qian Yu, University of Massachusetts

CHAIR(S): Qian Yu, University of Massachusetts

2:00 Yong Qian Tian*, Central Michigan University; Qian Yu, Department of Geoscience, University of Massachusetts, Amherst, MA 01003; Jiwei Li, Department of Geoscience, University of Massachusetts-Amherst; Changjiang Ye, Department of Geoscience, University of Massachusetts-Amherst, *Effects of geographic heterogeneity on biogeochemical processes of coastal watershed DOC under climate change: from meso- to landscape scale.*

2:20 Qian Yu*, University of Massachusetts; Jiwei Li, University of Massachusetts; Yong Tian, Dr., Central Michigan University; Changjiang Ye, University of Massachusetts, *Exploring the co-variation of DOC and CDOM driving by the litter sources and environmental factors.*

2:40 Changjiang Ye*, University of Massachusetts Amherst; Qian Yu, University of Massachusetts Amherst, *Dissolved organic carbon leaching from soils respond to hydrologic processes and climate change.*

3:00 Jaclyn Hall, PhD*, University of Florida; Michael W Binford, PhD, University of Florida; Brian M Condon, Bioresource Management Inc; Henry M Gholz, PhD, National Science Foundation; Grenville Barnes, PhD, University of Florida, *The influence of prices on timber harvests and carbon storage on a landscape scale in the southeastern United States.*

3:20 David Murphy, Ph.D.*, Northern Illinois University, *Valuing Land-Cover Change: Carbon Loss Due to Shale Gas Extraction in Pennsylvania.*

5482. Coastal and aeolian processes and landforms III: coastal geomorphology (Sponsored by Coastal and Marine Specialty Group)

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- Room: Meeting Room 13, Marriott, Third Floor (Paper Session)*
 ORGANIZER(S): Brandon Edwards, Louisiana State University;
 Katherine Renken, Louisiana State University
 CHAIR(S): Katherine Renken, Louisiana State University
2:00 Phillip Schmutz*, Louisiana State University; Steven L.
 Namikas, Louisiana State University; Brandon L.
 Edwards, Louisiana State University, *Evaporation
 Dynamics at Various Sediment Depths: Influence of
 Beach Moisture Content.*
2:20 Maritza Barreto, Ph.D*, University of Puerto Rico-Rio
 Piedras, *The effects of swells in selected beaches in the
 north coast of Puerto Rico (2009-2013).*
2:40 Mayra A Roman Rivera*, East Carolina University,
*Spatial and Temporal Evaluation of Dune, Beach and
 Nearshore Bar Interactions at Cape Cod, MA.*
3:00 Paul A Gares*, East Carolina University; Alex Smith,
 Dept. of Geography, University of Ulster, Coleraine;
 Thad Waskewicz, Dept. of Geography, East
 Carolina University, *Evolution of Embryo Blowouts at
 Provincelands Dunes, MA.*

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- 5490. AAG Business Meeting**
Room: Joseph B. Lancaster, Westin Hotel, First Floor (Meeting Session)
 The AAG's annual Business Meeting will be held in the
Joseph B. Lancaster Room of the Westin Hotel, on Saturday,
 April 12, from 2:30 p.m. - 3:40 p.m. AAG officers will present
 their annual reports. All are welcome to attend.

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5503. Waste Regimes: The Material and Political Waste Which We Live by in Different Localities

Room: Room 3, TCC, First Floor (Panel Session)

ORGANIZER(S): Ruth Lane, Monash University; Bo Wang, University of Wisconsin

CHAIR(S): Ruth Lane, Monash University

Discussant(s): Andrew Brooks, King's College London

Panelists: Ruth Lane, Monash University; Yvonne Rollins, The University of Western Ontario; Cassandra Kuyvenhoven; Bo Wang, University of Wisconsin; Eli Meyerhoff, University of Minnesota

5505. Transportaion and Network Analysis

Room: Room 5, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Samir Dhar, University of Toledo

4:00 Peng Gao*, University at Buffalo; Ling Bian, University at Buffalo, *Scale Effect on Contact Networks*.

4:20 Jun Li*, Sun Yat-sen University; Changxiang Zhao, Sun Yat-sen University, *Route inference from low sampling rate floating car data in the complex urban road network*.

4:40 Kara Schimmelfing*, Wilfrid Laurier University; Colin Robertson, Wilfrid Laurier University; Jed A. Long, University of St Andrews, *Improving vessel path accuracy in satellite Automatic Identification System (AIS) data*.

5:00 Samir Dhar*, University of Toledo, *Estimating A New Container Dock's Max Capacity Using DES: An Impact of Post-Panamax*.

5507. Post-structural Interventions II: Measuring and Mapping Other Economic Futures (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Room 7, TCC, First Floor (Paper Session)

ORGANIZER(S): Luke Drake, Rutgers University

CHAIR(S): Marianna Pavlovskaya, Hunter College

4:00 Stephen Healy, PhD*, Worcester State University, *Surviving Well: Anxiety, Shame and the Place of Collective Action*.

4:20 Luke Drake*, Rutgers University, *Participatory GIS in the geoweb: Local and regional urban agriculture in New Jersey*.

4:40 Kevin St. Martin*, Rutgers University, *Metrologies for Other Worlds: Indicators of "Wellbeing" as a Tool for Performing Economic Diversity*.

5:00 Marianna Pavlovskaya*, Hunter College and CUNY Graduate Center, *Mapping the invisible: Outlining the contours of the solidarity economy in the United States*.

Discussant(s): Jeremy Crampton, University of Kentucky

5512. Democracy Against the State: Miguel Abensour and the Geographies of Anti-Authoritarianism

Room: Room 12, TCC, First Floor (Panel Session)

ORGANIZER(S): Nathan L Clough, University of Minnesota, Duluth

Panelists: Katharine Kindervater, University of Minnesota; Garnet Kindervater, University of Minnesota - Minneapolis; Clayton Rosati, Bowling Green State University; Silvano De La Llata, Cornell University; Nathan L Clough, University of Minnesota, Duluth

5513. Dendrochronology IV: Frontiers in Dendrochronology (Sponsored by Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group)

Room: Room 13, TCC, First Floor (Paper Session)

ORGANIZER(S): Henri D. Grissino-Mayer, University of Tennessee; Stockton Maxwell, Radford University

CHAIR(S): Henri D. Grissino-Mayer, University of Tennessee

4:00 William T. Flatley, PhD*, Northern Arizona University; Charles W. Lafon, PhD, Texas A&M University; Henri D. Grissino-Mayer, PhD, University of Tennessee; Serena R. Aldrich, PhD, Blinn College; Lisa B. Laforest, PhD, University of Tennessee; Georgina G. DeWeese, PhD, University of West Georgia, *Regional Scale Climate Drivers of Historical Fire Disturbance in the Central and Southern Appalachian Mountains*.

4:20 Grant L. Harley, PhD*, The University of Southern Mississippi, *Forest structure of sub-tropical pine rocklands in relation to micro-site elevation on islands in the Florida Keys*.

4:40 Valerie M Trouet*, Laboratory of Tree-Ring Research; Flurin Babst, Laboratory of Tree-Ring Research; Julio L Betancourt, USGS; Mary F Glueck, Laboratory of Tree-Ring Research, *Taking dendrochronology to the next level: reconstructing jet stream variability*.

5:00 Stockton Maxwell*, Radford University; Soumaya Belmecheri, The Pennsylvania State University; Alan Taylor, The Pennsylvania State University; Ken Davis, The Pennsylvania State University, *Spatial relationships in tree-ring carbon isotopes from New England*.

5:20 Nicole K Davi, Ph.D.*, William Paterson University; Rosanne D'Arrigo, Ph.D., TRL/LDEO Columbia University; Gordon Jacoby, Ph.D., TRL/LDEO Columbia University; Ed Cook, Ph.D., TRL/LDEO Columbia University; Baatarbileg Nachin, Ph.D., National University of Mongolia, *A Millennial Scale Tree-Ring Based Summer Temperature Reconstruction for Northern Mongolia (931-2005 C.E.)*.

5514. Population Modeling

Room: Room 14, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mofoluso A. Fagbeja, NASRDA, Abuja

4:00 Magdalena Lucyna Bialic-Davendra, Ph.D.*, Tomas Bata University in Zlin; Pavel Bednar, Ph.D., Tomas Bata University in Zlin, *Spatial Analysis of Clusters Development in the Czech Republic*.

4:20 Marie Urban*, Oak Ridge National Laboratory; Robert N. Stewart, Oak Ridge National Laboratory; Aaron Myers, Oak Ridge National Laboratory; Eric Axley, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Occupancy Modeling Framework Overview*.

4:40 Georgianna Strode, GISP*, Florida State University; Victor Mesev, Florida State University, *Dasymetric methods using cadastral and building footprint data*.

5:00 Jessica Moehl*, Oak Ridge National Laboratory, *Comparing Demographic Population Modeling Techniques*.

5:20 Mofoluso A. Fagbeja*, National Space Research and Development Agency (NASRDA), Abuja, *The Role Of Satellite Earth Observation In Population Estimation: Example From The Niger Delta Region Of Nigeria*.

5515. Spatial Analysis and Statistics

Room: Room 15, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): XiaoHang Liu, San Francisco State University

4:00 Robert G. Cromley*, University Of Connecticut; Dean M. Hanink, Professor, University of Connecticut; Jie Lin, Dr., Institute of Geographic Sciences and Natural Resources Research, *Local Regression for Spatial Object Pairs*.

4:20 Holly M Widen*, Florida State University; James B Elsner, PhD, Florida State University; Stephanie Pau, PhD, Florida State University; Christopher Uejio, PhD, Florida State University, *Graphical Inference in Geography*.

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4:40 Xiang Ye*, University at Buffalo, *The Moran Correlation Coefficient as a statistic of spatial correlation.*

5:00 XiaoHang Liu*, San Francisco State University, *Generalized Voronoi diagram on the earth.*

5:20 Dajun Dai*, Georgia State University; Christina H. Fuller, Georgia State University; Christine Stauber, Georgia State University; Deirdre Oakley, Georgia State University; Erin Ruel, Georgia State University, *Environmental and socioeconomic predictors of nitrogen dioxide concentrations in Atlanta.*

5516. Urban Planning - Neighborhood and Land Use Change (Sponsored by Regional Development and Planning Specialty Group)

Room: Room 16, TCC, First Floor (Paper Session)

ORGANIZER(S): Dave Lemberg, Western Michigan University
CHAIR(S): Elizabeth Delmelle, University of North Carolina at Charlotte

Introducer: Elizabeth Delmelle

4:05 Jeffrey M Young*, LizardTech, *Vacant Urban Land Increases in the Hill Section of Scranton, PA: 1940 to 2010.*

4:24 Kevin Kane*, Arizona State University, *Shaping the City: Development Trajectories and Land System Architecture in the Phoenix Metropolitan Area.*

4:43 Hilton A Cordoba*, Florida Atlantic University, *Neighborhood Change in Miami's Little Havana; from Demographic Transition to Urban Rehabilitation.*

5:02 Zhenshan Yang*, Institute of Geographical Sciences at Chinese Academy of Sciences, *Emerging of Urban Agriculture: Local Farmers' Practices and Policy Implications.*

5:21 Elizabeth Delmelle*, University of North Carolina at Charlotte, *Neighborhood Quality of Life Transitions, Charlotte, NC 2000-2010.*

5517. Demographics: U.S. Census

Room: Room 17, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): J.S. Onesimo Sandoval, Saint Louis University

4:00 Jason R Jurjevich*, Portland State University, *Who's Not Counted? Same-Sex Demographics and the U.S. Census.*

4:20 Matthew Paul Drennan*, UCLA, *Does Nationally Rising Income Inequality Entail Spatial Divergence of State Incomes? Experience of U.S. States, 1920s and Post 1979..*

4:40 Natalia Vorotyntseva*, University of Connecticut; Robert G. Cromley, University Of Connecticut, *A Co-location Quotient Approach for Measuring Residential Segregation.*

5:00 Peter Rogerson*, SUNY - BUFFALO, *The Gini Coefficient of Inequality: A New Interpretation.*

5:20 J.S. Onesimo Sandoval, Associate Professor and Director of Sociology*, Saint Louis University, *The Spatial Hierarchy of Social-Environmental Disparity in Saint Louis: An Applied Approach to Social-Environmental Synthesis using GIS.*

5518. New Voices in Rural Geography (Sponsored by Rural Geography Specialty Group)

Room: Room 18, TCC, First Floor (Paper Session)

ORGANIZER(S): Jessica Breen, University of Kentucky; William Wetherholt

CHAIR(S): William Wetherholt

4:00 Brandon H Haddock, M.S.; A.B.D.*, Kansas State University, *Keeping the Circle: Examining rural sexuality and gender identity in sustainability practices..*

4:20 Katarina Haugen*, Umea University; Svante Karlsson, Department of Geography and Economic History,

Umeå University, Sweden; Kerstin Westin, Department of Geography and Economic History, Umeå University, Sweden, *A transforming forest owner corps: Changing characteristics of private forest owners in Sweden 1990-2010.*

4:40 Martin Hedlund*, Umeå University, *Micro-Dynamics of Farm Employment in Sweden 1960-2010.*

5:00 Megan Wika*, Gustavus Adolphus College, *Family, Patriotism, and Land Stewardship: Employing the Rural Ideal to Champion Corn Ethanol in Minnesota.*

Discussant(s): John Hart, University of Minnesota - Minneapolis

5519. Science, Politics and Conflict in Aquatic Environments: From Restoration to Intervention? III

Room: Room 19, TCC, First Floor (Paper Session)

ORGANIZER(S): Chris Sneddon, Dartmouth College; Francis Magilligan, Dartmouth College; Coleen Fox, Dartmouth College

CHAIR(S): Coleen Fox, Dartmouth College

Introducer: Coleen Fox

4:03 Heidi E Mehl, Ph.D. Candidate*, Kansas State University, *Land Tenure and Watershed Restoration on a Fractionated Indian Reservation.*

4:23 Bobbie J Swinson*, Appalachian State University, *A View of the River: Links among River Restoration Design, Data, and Public Perception.*

4:43 Anna Alsobrook*, University of Tennessee, Knoxville, *The hidden side effects of environmental restoration: the impact of the Great Green Wall on the access and allocation of water in Widou Thiengoly, Senegal.*

Discussant(s): Coleen Fox, Dartmouth College

5520. Biodiversity Conservation and Protected Areas: Limitations and Lessons

Room: Room 20, TCC, First Floor (Paper Session)

ORGANIZER(S): Priyanka Ghosh, University of Kentucky

CHAIR(S): Priyanka Ghosh, University of Kentucky

4:00 Esteban Rossi*, Clark University, *The wicked effects of conservation: failed forest management in Northern Nicaragua after Hurricane Felix (2007).*

4:20 Jean-Philippe Leblond*, University of Ottawa, *Understanding Forest Transitions through Process Tracing: The Case of Northern Phetchabun, Thailand.*

4:40 Alison Ormsby*, Eckerd College, *Community Conservation of Sacred Groves.*

5:00 Justin Laue*, University of Texas, *Analyzing Areal Reductions of Protected Areas in the Brazilian Amazon.*

5:20 Priyanka Ghosh*, University of Kentucky, *Ecotourism and its impacts on the local communities living around the Sundarban Tiger Reserve (STR), West Bengal, India.*

5522. Upgrading in Agri-Food Networks

Room: Room 22, TCC, First Floor (Paper Session)

ORGANIZER(S): Martin Franz, Philipps-University Marburg; Peter Dannenberg

CHAIR(S): Martin Franz, Philipps-University Marburg

4:00 Peter Dannenberg*, Universität zu Köln; Tobia Lakes, Humboldt-Universität zu Berlin, *The use of mobile phones by Kenyan export-orientated small-scale farmers - the example of fruit and vegetable farming in the Mt. Kenya region.*

4:20 Sarah Lake*, University of Colorado, Boulder, *Agri-food Private Standards in a Value Chain Framework: Rethinking Producer Benefit and Upgrading Opportunities from Captive Exchange.*

4:40 Lauren Herwehe*, University of Arizona, *Science, Spirituality, and Small-scale Irrigated Agriculture: How can technology mitigate drought vulnerability in semi-arid northeast Brazil?.*

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5523. Mundane Mapping and Grounded Truths: Ethnographies of Geographic Labor in Environmental Contexts

Room: Room 23, TCC, First Floor (Paper Session)

ORGANIZER(S): Micha Rahder, UC Santa Cruz; Patrick Gallagher, Stanford University

CHAIR(S): Micha Rahder, UC Santa Cruz

4:00 David Kneas*, University of South Carolina, *Grounding Difference: Geological Fieldwork and Mapping in Ecuador*.

4:20 Jessica Barnes*, University of South Carolina, *Modeling the River: Nile Flows and Climate Change*.

4:40 Micha Rahder*, UC Santa Cruz, *The Puzzle of Silence: Skype-Sociability and Embodied Neutrality in a Guatemalan GIS Laboratory*.

5:00 Sarah Laborde*, Ohio State University, *Environmental computer models as heterotopias: being here and building "there"*.

5:20 Patrick Gallagher*, Stanford University, *Ground Truthing in a Field of Social Meaning*.

5524. Economic Innovation, Trading Patterns, and Economic Aspirations of Youth

Room: Room 24, TCC, First Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): TAO LIN, Shanghai Normal University

4:00 Oliver Morris*, Aberystwyth University, *The Economic Aspirations of Young people in Wales: a social and spatial evaluation..*

4:20 Jinyan Yu*, Institute of Geographic Sciences and Natural Resources Research, CAS, *Analysis on Virtual Trading Area of C2C E-commerce Based on Temporal Distance*.

4:40 TAO LIN*, Shanghai Normal University; Lina SHI, Shanghai Normal University, *Analysis of the urban hierarchical system in Yangtze Delta area based on passenger and cargo fluxes*.

5530. Patrimonialization: Constructing Geographies of Heritage and Patrimony (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Room 30A, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Marcos Luna, Salem State University; Nicolas Ortega, Universidad Autonoma de Madrid

CHAIR(S): Manuel Molla, Universidad Autonoma De Madrid

4:00 Manuel Molla*, Universidad Autonoma De Madrid; Manuel Molla, Universidad Autonoma De Madrid, *The Field Trip's Tradition in Spanish Geography like*.

4:20 Nicolas Ortega*, Universidad Autonoma de Madrid; Nicolas Ortega, Universidad Autonoma De Madrid, *Mountaineering and Assessment of the Landscape: the Real Sociedad Española de Alpinismo Peñalara (1913-1936)*.

4:40 Marcos Luna, PhD.*, Salem State University, *A season for all Americans: Understanding a seasonal imaginary as patrimony*.

5:00 Steven E. Silvern*, Salem State University, *Contesting Patrimony: Native Americans Indians and the (re) construction of heritage-scapes..*

5:20 Stephen Matchak*, Salem State College, *Developing America's Patrimonial Landscapes*.

5531. Climatology and Meteorology (Sponsored by Geographies of Climate Change)

Room: Room 31, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Siripon Kamontum, Geo-informatics and Space Technology Development Agency of Thailand

4:00 Segun Ogunjemiyo*, California State University; James Laing, Clarkson University; Samuel Omolayo, California State University, Fresno; Thomas M Holsen, Clarkson University, *CO2 and Water Exchanges Over*

Urban Ecosystems In The Northeast And Central California.

4:20 Ian Howard*, Kansas State University; John Harrington Jr., Kansas State University, *A Synoptic Climatology of Nocturnal Rainfall Events for Northeast Kansas, 1950-2012*.

4:40 Siripon Kamontum*, Geo-informatics and Space Technology Development Agency of Thailand, *Using Multiple Regression to Explain Spatial Variation of Annual Rainfall: A Case Study of the Northeast of Thailand*.

5:00 Robert E Hodges, PhD*, Florida State University, *Solar Activity and the African Easterly Jet*.

5:20 Hal Needham*, Louisiana State University; Barry Keim, Louisiana State University; David Sathiaraj, Louisiana State University; Amanda Billiot, Louisiana State University, *Storm Surge Return Periods for the U.S. Gulf Coast*.

5532. Physical Geography: Climate and Hazards (Sponsored by Geographies of Climate Change)

Room: Room 32, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Thalyta Lopes Rego

4:00 Hai Lan*, University of Maryland College Park; Paul Torrens, University of Maryland College Park, *3D geographic cellular automata approaches to mathematically-intractable problems in glaciology*.

4:20 Christopher Ferraro*, Clark University; Alex Gardner, PhD, Clark University, *A semi-automated workflow for estimating longer-term glacier mass balance from historic stereoscopic aerial imagery*.

4:40 Azmi a Baharom*, Universiti Pendidikan Sultan Idris; hamirdin ithnin, Prof, Universiti Pendidikan Sultan Idris; Muhamad ihsan Ismail, Universiti Pendidikan Sultan Idris; mohd hairy Ibrahim, universiti pendidikan Sultan Idris, *MASS MOVEMENT IN HULU SELANGOR MALAYSIA: A REVIEW*.

5:00 Thalyta Lopes Rego*, UFG - Brazil, *Geosystem and climate studies*.

5:20 Xuegong Xu*, Peking University; Lifan Xu, Peking University; Lei Yan, Peking University; Luyi Ma, Peking University; Yaling Lu, Chinese Academy for Environmental Planning, *Method and Case of Integrated Regional Ecological Risk Assessment at Large Scale*.

5533. Technologies and applications of Web-based GIS (Sponsored by Cyberinfrastructure Specialty Group)

Room: Room 33, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Jizhe Xia; Zhenlong LI

CHAIR(S): Jizhe Xia

4:00 Aaron Myers*, Oak Ridge National Laboratory; Phillip Nugent, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Web-based Geospatial Analysis of Population Data*.

4:20 Jizhe Xia*, George Mason University; Chaowei Yang, George Mason University; Kai Liu, George Mason University, *Spatiotemporal user behavior mining in Geospatial Cyberinfrastructure - using GEOSS Clearinghouse as an example*.

4:40 Christy Fagundez*, FWC-FWRI; Chris Anderson, FWC-FWRI, *The Florida Boating and Angling Guide Series: In Print and On the Web*.

5:00 Simona Stirbu*, Library of Sciences and Technologies, Geosciences Section, University of Liege, *What about Google Scholar when searching information in Human and Physical Geography*.

5:20 Haiqing Xu*, University of South Carolina; Michael E Hodgson, University of South Carolina, *Mobile Image Analysis Toolkit (MIAT): A Cross-Platform Mobile*

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WebApp for Collecting and Analyzing Geographic Data for Public Disaster Assistance.

5534. Political Ecology of Agriculture

Room: Room 34, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Raju Das, York University

4:00 Jennifer Blecha, PhD*, San Francisco State University, *"For Food Purposes": Regulating Backyard Animal Slaughter in U.S. Cities.*

4:20 Adam Romero*, University of California Berkeley, *The Crop Protection Institute and the Chemicalization of American Agriculture (1920-1945).*

4:40 Patrick Baur*, University of California, Berkeley, *Exposing the Achilles Heel: Deconstructing the Food Safety Apparatus.*

5:00 Torsten Schunder*, SUNY-Buffalo; Sharmistha Bagchi-Sen, SUNY-Buffalo; Peter Kedron, Ryerson University, *The Impacts of Technological Translation and Regional Interests on the Formation of Global Value-Chains.*

5:20 Raju J Das*, York University, *Agrarian crisis in globalizing capitalism: An internationalist view.*

5535. Biogeography of Climate Change (Sponsored by Geographies of Climate Change)

Room: Room 35, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Geographies of Climate Change

CHAIR(S): Sunita Yadav, University of Cincinnati

4:00 Matthew P. Peters*, USDA Forest Service; Louis R. Iverson, USDA Forest Service; Anantha M. Prasad, USDA Forest Service; Stephen N. Matthews, USDA Forest Service; School of Environment and Natural Resources, Ohio State University, *Advancing our understanding of climate change impacts on forest habitats..*

4:20 Nicholas L. Flinner*, Indiana State University; James H. Speer, Indiana State University, *A Dendrochronological Analysis of Insect Outbreaks and Climate Effects on Tamarack (*Larix laricina*) from Indiana and Michigan.*

4:40 Likai Zhu*, University of Florida; Jane Southworth, University of Florida, *Interannual variability of global terrestrial net primary production derived from satellite observations, 1982-2010.*

5:00 Cynthia A. Meyer*, USF School of Geosciences; Ruiliang Pu, Ph.D., USF School of Geosciences, *Seagrass + Urban Environment + Sea Level Rise = ?.*

5:20 Sunita Yadav*, University of Cincinnati; Emiel Van Loon, University of Amsterdam; Theresa Culley, University of Cincinnati, *Predicting the impact of changing shoreline on the future survival of an endemic Hawaiian plant species, *Schiedea globosa*.*

5536. Activism and Eating: Emergent Forms of the Political Economy of Food

Room: Room 36, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Michael Bacon, Sorrel Tree

CHAIR(S): Michael Bacon, Sorrel Tree

4:00 Martin J. Aucoin, B.S. Candidate*, University of North Texas; Matthew J. Fry, Ph.D., University of North Texas, *Farmers' Markets and Foodsheds: Perceptions of Community and Place in the Dallas Local Food Movement.*

4:20 Andrew W. Zitcer, PhD*, Drexel University, *Food Cooperatives as Sites of Ethical Consumption.*

4:40 John G. Zahina-Ramos, Ph.D.*, Dept. of Geosciences, Florida Atlantic University, *Receptivity to Urban Backyard Food Gardening in the Southeast Florida Metropolitan Area.*

5:00 Eric Reiff*, University of Colorado, *Subverting nature-society, urban-rural categories through urban backyard farming.*

5:20 Michael Bacon*, Unaffiliated, *Power, Value, and Political Economy in the Cooperative Grocery Store.*

5537. Invasive Forest Pests: Modeling and Impacts

Room: Room 37, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Chris Jones; Dustin Grossheim, UNC Chapel Hill

CHAIR(S): Aaron Moody

4:00 Amy Stephens Davis*, University of North Carolina, Charlotte; Ross K. Meentemeyer, North Carolina State University; Jean-Claude Thill, University of North Carolina, Charlotte, *Beyond habitat suitability: the role of human-mediated invasion pressure on the distribution of forest invaders.*

4:20 Dustin Grossheim*, UNC Chapel Hill; Chris Jones, UNC Chapel Hill; Aaron Moody, PhD, UNC Chapel Hill, *Ecological Niche Modeling for Potential Invasive Species Hotspots.*

4:40 Chris Jones*, UNC Chapel Hill; Dustin Grossheim, UNC Chapel Hill; Aaron Moody, UNC Chapel Hill, *Invasive Forest Pest Distributions Under Different Climate Change Scenarios.*

5539. Health Care Workforce Geography (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Room 39, TCC, Fourth Floor (Paper Session)

ORGANIZER(S): Imam Xierali, AAMC

CHAIR(S): Fahui Wang, Louisiana State University

4:00 James Holt*, CDC/ Centers for Disease Control; Xingyou Zhang, MS, PhD, Centers for Disease Control and Prevention; Hua Lu, MS, Centers for Disease Control and Prevention; Stephen Onufrak, PhD, Centers for Disease Control and Prevention; Jiawen Yang, PhD, School of Urban Planning and Design, Peking University; Steven French, PhD, Georgia Institute of Technology; Daniel S. Sui, PhD, Ohio State University, *Neighborhood commuting environment and obesity in the United States: an urban-rural stratified multilevel analysis.*

4:20 Imam Xierali, PhD*, AAMC, *Variations in Mississippi Potentially Preventable Hospitalization Rates.*

4:40 Lu Wang, Dr.*, Ryerson University, *Exploring ethnic variations in healthcare access in Canada: a comparison among multiple ethnic groups.*

5:00 Paul L. Delamater, Ph.D.*, Michigan State University, *The Effects of Aggregation Error on Accessibility Characterization in Network Data Space.*

5:20 Liang Mao, PhD, University of Florida; Dawn Nekorchuk, MSPH*, University of Florida, *Measuring Spatial Accessibility to Healthcare for Populations with Multiple Transportation Modes.*

5554. The Eurozone Crisis and the Future of Europe

Room: Grand Salon C, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Susan Christopherson, Cornell University; Dariusz Wojcik, School of Geography and the Environment, Oxford University; Gordon L. Clark, University of Oxford

CHAIR(S): Susan Christopherson, Cornell University

4:00 Christian Sellar*, University of Mississippi; Tu Lan*, University of North Carolina at Chapel Hill, *Production networks in a changing State: Italy's transnational investment promotion communities in a prolonged crisis.*

4:20 Dariusz Wojcik*, School of Geography and the Environment, Oxford University; James Duncan MacDonald-Korth, School of Geography and the Environment, Oxford University, *A negative-sum game? The Eurozone crisis and European financial*

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centres.

4:40 Merje Kuus*, University Of British Columbia, *Curved Mirrors: State Power in European Union Crisis Management.*

5:00 Gordon L. Clark*, University of Oxford; Heather Hachigian, University of Oxford; Dane Rook, University of Oxford, *Governing the Euro Zone: ambiguity and complexity in the context of financial risk and uncertainty.*

5:20 Lewis Dijkstra, European Commission; Enrique Garcilazo, OECD; Philip McCann*, University of Groningen, *The Impact of the Global Financial Crisis on Europe's Cities and Regions: An Analysis Using the OECD and European Commission Databases.*

5555. Geospatial Technology Applications

Room: Grand Salon D, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Soe Myint, Arizona State University

4:00 Erika Pires*, UFG - Brazil, *Monitoring of Land Surface Temperature (LST) in urban areas using geotechnology.*

4:20 Iliyana D. Dobрева*, Texas A&M University; Michael P. Bishop, Texas A&M University, *Surface Irradiance Partitioning in Complex Mountains: A Comparison of GIS-based Solar Radiation Models.*

4:40 Qingling Zhang*, Yale University; Crystal Schaaf, University of Massachusetts Boston; karen seto, Yale University, *Correcting DMSP/OLS saturation using MODIS NDVI.*

5:00 Fei Du*, Department of Geography, University of Wisconsin - Madison; A-Xing Zhu, Department of Geography, University of Wisconsin - Madison, *Integrating Knowledge from Existing Maps and Field Samples for Spatial Prediction.*

5:20 Soe Myint*, Arizona State University, *Exploring the spatial configuration of anthropogenic features and the effect it has on surface temperatures.*

5559. Criminology and Geography: Order and Conflict in the Public Space 4 (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Grand Salon H, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Lucas Melgaço, Vrije Universiteit Brussel; Mattias De Backer, VUB Criminology Department; Georgiana Varna, University of Glasgow

CHAIR(S): Lucas Melgaço, Vrije Universiteit Brussel

4:00 Lidia Monza*, *Radicalization of urban life: "private cities".*

4:20 Yves Boquet*, Université De Bourgogne, *New spaces of walkability in Asian cities.*

4:40 Florence Huguenin-Richard*, Paris 4-Sorbonne; Marie-Soleil Cloutier, INRS-UCS; Marie-Axelle Granié, IFSTTAR-TS2 ? LMA; Aurélie Dommès, IFSTTAR-COSYS ? LEPSIS, *Walkability or Safety? Elderly Pedestrians Path Choices Under the Light of Urban Form.*

5:00 Alice B Kelly*, University of California, Berkeley; Clare Gupta, Yale University, *Protected Areas: Offering Security to Whom, When and Where?.*

5565. Geography of Health

Room: Florida Salon IV, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Odeibler Guidugli, University Of State Of Sao Paulo

4:00 Ofer Amram, PhD, Candidate*, Simon Fraser University; Nadine Schuurman, Dr., Simon Fraser University, *Cartography as a Basis for Understanding and Communicating Health and Access to Health Services.*

4:20 Odeibler Guidugli*, University Of State Of Sao Paulo, *Fewer children and more elderly: spatialization*

of contrasts and problems in small municipalities paulistas (> 10000 inhabitants)-1980-2010..

4:40 Yitong Jiang*, Qihao Weng, *Downscaling of GOES Land Surface Temperature for Heat Wave Health Risk Assessment.*

5566. Land Use and Land Cover Change

Room: Florida Salon V, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jie Dai

4:00 Nathan Owen*, Mississippi State University; P. Grady Dixon, Mississippi State University, *An Investigation into the Impacts of Land Use/Land Cover on Cloud-to-Ground Lightning Activity.*

4:20 Xiao-Peng Song*, Global Land Cover Facility, Department of Geographical Sciences, University of Maryland, College Park, United States, *Spatiotemporal dynamics of gross carbon emissions from deforestation in the Amazon.*

4:40 Sudeshna Ghosh, PhD*, Indiana University Of Pennsylvania, *Assessing the Land Use and Land Cover (LULC) Change Impacts of Large-Scale Employers in Small Towns and Rural Areas.*

5:00 Gladis Da Silva*, UFG - Brazil, *The Recent Changes In The Land Use And Land Cover In Savannas Areas In Roraima State.*

5:20 Jie Dai*, Joint Doctoral Program in Geography, San Diego State University and University of California, Santa Barbara; Sharon J Hall, Arizona State University; Li An, San Diego State University; Scott T Yabiku, Arizona State University; Dirgha Ghimire, University of Michigan, Ann Arbor; Abigail M York, Arizona State University, *Linking Forest Health with Vulnerability to an Invasive Plant Species: A Case Study in Chitwan, Nepal.*

5567. Remote Sensing Image Processing Methods for Environment and Landscape

Room: Florida Salon VI, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jason Yang, Ball State University

4:00 Raechel Bianchetti*, The Pennsylvania State University; Alan M MacEachern, PhD, Pennsylvania State University, *Land Cover Disturbance Analysis: Developing a Model of Expert Image Analyst Reasoning.*

4:20 Dee Shi*, Department of Geography, Florida State University; Xiaojun Yang, Department of Geography, Florida State University, *Use of Ensemble Learning Methods for Image Classification from Remote Sensor Data.*

4:40 Wei Huang*, University of Wisconsin-Milwaukee, *Investigation of vegetation on surface karst geomorphology using topographic correction and shadow retrieval technique.*

5:00 Jacek Niesterowicz*, University of Cincinnati; Tomasz F. Stepinski, University of Cincinnati, *Finding the Best Image Segmentation Method for Regionalization of Multi-Categorical Landscapes.*

5:20 Qi Wang, Taiyuan Land and Resources Bureau, Taiyuan, Shanxi, China, 030001; Junyan Yang, Taiyuan Land and Resources Bureau, Taiyuan, Shanxi, China, 030001; Jason Yang*, Ball State University, *Feature extraction of Taiyuan from Landsat TM image using decision tree classifier.*

5568. Energy and the Socioecological Production of Space IV: Historical Materialism and the Spatial Fix (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Meeting Room 1, Marriott, Second Floor (Paper Session)

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ORGANIZER(S): Matt Huber, Syracuse University; Saska Petrova, University of Manchester

CHAIR(S): Saska Petrova, University of Manchester

4:00 Conor Harrison*, University of North Carolina, *Fixing electric utilities: The monopoly service territory as spatial fix.*

4:20 Jason Cooke*, University of Toronto, *Los Angeles and the "spatial fix" of oil-based energy, 1900 to 1930.*

4:40 Tobias Buser*, Center for Development and Environment, University of Bern and Swiss Federal Research Institute WSL; Flurina Schneider, Center for Development and Environment, University of Bern and Global Institute of Sustainability, Decision Center for a Desert City, Arizona State University; Stephan Rist, Center for Development and Environment, University of Bern, *Pristine dreamland for the world or an ideal spatial fix for economical growth in Chile? Struggles over energy, space and justice in Chilean Patagonia.*

5:00 Anthony Levenda*, Portland State University, *Sociotechnical Imaginaries, Power Politics, and the Socioecological Production of the Columbia River Basin, 1920-1970.*

Discussant(s): Mazen Labban, Rutgers University

5569. Economies of Death: Economic logics of killable life and grievable death (III) (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Meeting Room 2, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Patricia J Lopez, University of Washington; Kathryn Gillespie, University of Washington

CHAIR(S): Kathryn Gillespie, University of Washington

4:00 James Tyner*, Kent State University, *From Home to Slaughterhouse: Death in Capitalism and the Indifference to Life.*

4:20 Tom Gregory*, University of Auckland, *(In)visible Bodies, Unliveable Lives: Drones, Targeted Killings and the Politics of Grief.*

4:40 Alex R. Colucci*, Kent State University, *The Geographies of Death Row: Capital Punishment and Living-Dead Labor within Capitalism.*

5:00 Jeff R Baldwin, Ph.D.*, Sonoma State University, *Biosecurity, biopolitics, and beaver in Oregon, USA: Deconstructing discursively produced spaces of exception and exclusion.*

5:20 Patricia J Lopez*, University of Washington, *'When lives are at stake' - the differential calculus of mobile bodies following the earthquake in Haiti.*

5571. Approaches to model and accelerate the diffusion of renewable energy technologies

Room: Meeting Room 4, Marriott, Second Floor (Paper Session)

ORGANIZER(S): Marcello Graziano, University of Connecticut; Peter Gunther, Connecticut Center for Economic Analysis

CHAIR(S): Marcello Graziano, University of Connecticut

Introducer: Marcello Graziano

Introducer: Peter Gunther

4:04 Esther Laabs*, Humboldt University, *The Brazilian Biodiesel Program - a Blueprint for Economic And Social Integration?.*

4:16 Christina Hoicka*, York University; Travis Gliedt, University of Oklahoma, *Commercial Property Owners/Managers' Clean Energy Decisions in US States.*

4:28 Stephen J. Stadler*, Oklahoma State University; J Scott Greene, University of Oklahoma; Michael Slattery, Texas Christian University, *Wind Climatology, Socioeconomics, and NIMBY: Two Oklahoma Towns.*

4:40 Yongbin ZHU*, Institute of policy and management, Chinese Academy of Sciences; Zheng WANG,

Institute of Policy and Management, *Preference oriented industrial structure evolution in China and its implication in energy use.*

4:52 William Y. Osei*, Algoma University University, *Environment, Development and Dynamics of Change: Unanswered Energy Questions.*

5:04 Louise Trygg*, Linköping University, *Increased diffusion of renewable energy technologies - barriers and driving forces.*

Discussant(s): Mattias SO Gradén, University of Dalarna

5572. Sustainability Education: Creating Critical Spaces for a Transformative Future (Sponsored by Cultural and Political Ecology Specialty Group, Hazards, Risks, and Disasters Specialty Group, Geography Education Specialty Group)

Room: Meeting Room 5, Marriott, Second Floor (Paper Session)

ORGANIZER(S): David Meek, University of Georgia

CHAIR(S): David Meek, University of Georgia

4:00 Sungsoo Hwang*, DePaul University, *Linking community GIS to sustainability education: building social capital and enabling sustainability education at the same time.*

4:20 Frances Fahy, PhD*, National University of Ireland, Galway, *Communicating Sustainability Research - Challenges, Opportunities and Dissemination Strategies.*

4:40 Robin A Lewis*, Hobart and William Smith Colleges; Mekala Bertocci, Hobart and William Smith Colleges; Stacey Davis, Hobart and William Smith Colleges; Michael Fields, Hobart and William Smith Colleges; Mollie Kenerson, Hobart and William Smith Colleges, *Rethinking consumption on college campuses: A model for teaching/learning sustainable consumption.*

5:00 David Meek*, University of Georgia; David Meek, University of Georgia, *The Political Ecology of Education and the Education of Political Ecology: Agroecological Education in the Brazilian Landless Workers' Movement.*

Discussant(s): Marcia McKenzie, University of Saskatchewan

5573. Rethinking Real Estate Finance in the Wake of a Boom: A Celebration of the Twentieth Anniversary of the Publication of the Double Issue on Property and Finance in 'Environment & Planning A' and a Look Forward (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Meeting Room 6, Marriott, Second Floor (Panel Session)

ORGANIZER(S): Peter Wissoker, Cornell University

CHAIR(S): Peter Wissoker, Cornell University

Panelists: Michael Ball, Henley Business School, University of Reading; Desiree Fields, Queens College; Rachel Weber, University of Illinois At Chicago; Peter Wissoker, Cornell University; Elvin Wyly, University of British Columbia; Michael Pryke, Open University

5577. An Urban Assessment of Cities

Room: Meeting Room 8, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stacy Warren

4:00 Steve Duncan*, CUNY Grad Center, *Urban Exploration Is Awesome! A Call for Responsible Theoretical Approaches to Irresponsible Behavior.*

4:20 Christian MONTES*, Universite De Lyon, UMR 5600, *New York City and Chicago, the cradle of towers and of their regulation: Have the best known skylines been forgotten?.*

4:40 Tiago Cisalpino Pinheiro*, Pontifical Catholic University of Minas Gerais, *Urban Assessment of Eastern Belo Horizonte in the Context of the Nova BH project.*

5:00 Beatriz Tamaso Mioto*, Unicamp; Beatriz Tamaso Mioto, Unicamp, *Current Housing Policies in Latin America: comparative approach of São Paulo and Caracas.*

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5:20 Stacy Warren*, Eastern Washington University, *The Corporate-Sponsored City: The Evolution of Walt Disney World's Epcot Theme Park.*

5578. Water Rights in the Americas

Room: Meeting Room 9, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mike Pease, Central Washington University

4:00 Paula C. Gomez, MS in Applied Geography Candidate*, University of Louisville, *Transboundary Groundwater Governance and Unsustainable Practices of Water Governance in the Guarani Aquifer: The Case of the Province of Misiones.*

4:20 Teresa Bornschlegel*, Clark University, *Researching environmental law and hydrocarbon extraction in Ecuador: A question of methods?.*

4:40 Chantelise Pells*, UC Davis, *Local groundwater governance and socio-environmental sustainability: Equity impacts of groundwater intensification in Mexico's premier viticulture region.*

5:00 Mike Pease*, Central Washington University; Olen Paul Matthews, University of New Mexico, *The Borderless Commons in Interstate Water Management after Tarrant v Herrmann? the proverbial bump in the road, or closed for business?.*

5:20 Jeffrey M. Banister*, University of Arizona, *A State of Indolence: Drug Wars, Megaprojects, and Nationalism in Twenty-First Century Mexico.*

5580. Urban natures: Infrastructure, ecology, and the 'resilient' city III (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Meeting Room 11, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Joshua Cousins, University of Michigan; Josh Newell, University of Michigan; Gregory Simon, University of Colorado Denver

CHAIR(S): Gregory Simon, University of Colorado Denver

4:00 Joshua Newell*, University of Michigan; Joshua Cousins, University of Michigan, *Theories of Urban Metabolism and Prospects for Interdisciplinary Scholarship.*

4:20 Joshua Cousins*, University of Michigan; Josh Newell, University of Michigan, *(Re)Theorizing Urban Metabolisms: The water-energy nexus of Los Angeles.*

4:40 Jordan Howell*, Rowan University, *Healing the Metabolic Rift? Resource Recovery Technologies in Hawaii since 1960.*

5:00 Annika Mattissek*, TU Dresden; Cindy Sitte*, Technical University of Dresden, *The German energy transition ('Energiewende') - between national discourse and urban development practices.*

Discussant(s): David Wachsmuth, New York University

5582. Coastal and aeolian processes and landforms IV: coastal geomorphology (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)

Room: Meeting Room 13, Marriott, Third Floor (Paper Session)

ORGANIZER(S): Brandon Edwards, Louisiana State University; Katherine Renken, Louisiana State University

CHAIR(S): Katherine Renken, Louisiana State University

4:00 Sarah M Trimble*, Texas A&M University; Christian Brannstrom*, Texas A&M University; Heather Lee Brown, Texas A&M University, *Perception of the rip current hazard on Galveston Island and South Padre Island, Texas, USA.*

4:20 Neil Sealey, MA (Oxon) Geography*, Media Enterprises Ltd, Nassau, Bahamas, *Degradation of Beaches in the Bahamas by Invasive Species.*

4:40 Mabel Anim, Ph.D Student*, University of Cape Coast, Ghana; Mabel Anim, Ph.D Student, *Impact of Tourism on the Coastline.*

Presenting author(s) are indicated with an asterisk ().*

For special events, please see the Special Events & Meetings Summary on p.44-48.

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4115,4118,4135,4136,4158,4211,4218,4241,4279,4415,4418,4519,
4539,4608,4619,4635,4637,4639,4673,5131,5132,5139,5140,5178,
5180,5211,5219,5232,5239,5268,5281,5403,5413,5415,5431,5432,
5439,5440,5481,5482,5513,5519,5522,5578

Wine

1572,3170,3204,3270,3470,3570

Women

1111,1203,1459,1506,1570,1582,1607,2221,2241,2504,2535,2682,
3104,3107,3131,3141,3174,3424,3441,3578,3607,4110,4116,4210,
4216,4226,4231,4406,4432,4474,4509,4531,4568,5117,5269

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